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Re Chemical Insecticide Corporation - OU4 (Groundwater)
Monitoring and Remediation Optimization System (MAROS)
Data Analysis

File 13003/39260 #2

Date December 8, 2008

Under Contract No W912DQ-06-D-0010 with the U S Army Corps of Engineers (USACE), Kansas City District, HDR and O'Brien & Gere are providing long-term monitoring (LTM) and assessment services as part of the remedial design of Operable Unit 4 – Groundwater (OU4) at the Chemical Insecticide Corporation Superfund Site (CIC) Currently, the LTM well network consists of the following 25 monitoring wells in the CIC Study Area

- BF-2
- BF-2D
- BF-4
- BF-5
- FU
- GU
- MW-1BRD
- MW-1BRS
- MW-2BR
- MW-2I
- MW-2S
- MW-3BR
- MW-3S
- MW-4BR
- MW-4S
- MW-5BR
- MW-6BR
- MW-7BR
- MW-8BR
- NUS-2D
- NUS-3D
- NUS-3S
- OU
- QD
- UU

In an effort to assist USACE and the U S Environmental Protection Agency (USEPA) with groundwater trend analyses since the OU2 remedy (soil excavation) in March 2005, HDR and O'Brien & Gere have performed a long-term monitoring optimization data analysis utilizing the Monitoring and Remediation Optimization System (MAROS) program. MAROS was developed by the Air Force Center for Environmental Excellence (ACFEE) Its methodology provides optimal monitoring network solutions by applying statistical techniques to existing historical and current site analytical data, as well as considering hydrogeological factors and plume stability The program suggests an optimal plan along with the analysis of individual monitoring wells for the current monitoring system Ultimately, this then provides a basis for the project team to make more cost effective, scientifically based future long-term monitoring decisions

Site Specific MAROS Data Requirements

To effectively achieve results with MAROS, it is recommended to have a minimum of 5 to 8 rounds of analytical data The data is incorporated into one spreadsheet using a strict format of rows and columns, and formatted to fit the entry requirements in MAROS To date, 5 quarterly monitoring events have been conducted for all of the

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above listed LTM wells at the CIC Study Area. In addition to the LTM events, representative data for *most* of the LTM wells (since 2003) consist of the following

- 2003 USEPA Monitoring Event – June/July 2003,
- 2005 USEPA Monitoring Event – October 2005,
- Baseline Monitoring Event (BME) – December 2006,
- Additional Groundwater Investigation (AGI)/1st Quarter LTM Event – July/August 2007,
- 2nd Quarter LTM Event – December 2007,
- 3rd Quarter LTM Event – March 2008,
- 4th Quarter LTM Event – June 2008, and
- 5th Quarter LTM Event – September 2008

*Note – MW-5BR, MW-6BR, MW-7BR, and MW_8BR were installed in 2007

The CIC Site satisfies the requirement for 5 to 8 monitoring rounds in all but one case – well OU. Due to a low yield volume, this well could not be sampled during two events. While this well is included in the analysis, data may not be reliable. The import data spreadsheet for the key indicator parameters for this project (alpha-BHC, arsenic, dinoseb, and trichloroethene [TCE]) is provided as Table 1, by well.

Another input requirement for MAROS is hydrogeological data – specifically seepage velocity (calculated using the values of hydraulic conductivity, surface porosity and hydraulic gradient), plume extents (width and length), downgradient receptors, and the number of source and tail wells. Source wells include those wells containing non-aqueous phase liquid (NAPL), contaminated vadose zone soils, and areas where aqueous-phase releases have been introduced to groundwater – generally, wells in the area of contamination. Tail wells are those located downgradient of the source areas. Table 2 provides the hydrogeological data and assumptions used for the CIC Site. Where appropriate references for the information gathered is indicated. A Site Map is included as Figure 1.

MAROS Output Reports

- MAROS Site Results, COC Assessment, Plume Analysis Summary, Mann-Kendall Statistics Summary, Linear Regression Statistics Summary, and Spatial Moment Analysis Summary Reports are presented as Attachment A.

The MAROS site results and COC assessment indicate the user defined site and data assumptions, data periods, compounds of concern (COC) used in the modeling program, and overall summary of sampling duration and frequency. In addition, the spatial moment analysis results, confidence of trends, and coefficient of variation are included. Noted within the statistical summary pages is the percent confidence in the trends and coefficient of variations. Results show percentages are low, accompanying a high coefficient of variation. Ideally, the lower the coefficient in variation the higher the confidence of the trends and accurate trend analysis.

The plume analysis summary and other statistical summaries indicate the results of the various types of statistical models used within this program, average and median concentrations, standard deviations, coefficients of variations, and confidence in trends. Results on these pages indicate trends in the plume for each of the indicator parameters and wells. In many cases, trends are noted as stable “s”, no trend “NT”, decreasing “D”, probably decreasing “PD”, and a few listed as increasing “T”, or probably increasing “PI”. Furthermore, results show percentages are low, accompanying a high coefficient of variation.

Analysis Due to the limit number of data sets and the small variations of those data sets, generally the overall plume trends for the indicator parameters for each well is no trend, stable, or a few wells noted as decreasing or increasing. The MAROS program was developed for sites with large well networks (i.e., large number of data points/data sets). While the CIC data meets the minimum requirements to upload and run the MAROS program, the statistical modeling results are affected by the lack of more detections. In many cases where there are no detections for a given parameter in a well, the trend is noted as stable. The program uses half the detection limit as the concentration in cases where there is no detection. Therefore, if a given well has never seen any detections for a certain parameter, the concentration has remained generally the same and the MAROS program sees this trend as neither decreasing or increasing (it is stable).

In other instances, there is only one or two detections in a given well, which is not enough data for the statistical models this program utilizes. Or, where small fluctuations of detections exist within the 5 to 8 rounds of data, the modeling program will not see the trend as an overall decrease, unless there is a larger set of data to obscure these minor excursions. Included in Attachment A are examples of these graphical representations for a given parameter in a given well. Examples are shown for Mann-Kendall and the Linear Regression statistical models.

➤ Well Redundancy Analysis is presented as Attachment B

The well redundancy analysis is designed to eliminate "redundant" locations from the monitoring well network based on the sampling data. The analysis utilizes the Delauney statistical method which incorporates "slope factors" (SF). The SF values in MAROS are parameters indicating the relative importance of a location in the monitoring network and are not related to toxicology or carcinogenic risks. Generally any well for a key parameter with a SF value below 0.2 are marked as "eliminate". Results are shown for each indicator parameter at each well.

Analysis Results by parameter indicate that a few wells could possibly be eliminated for analysis of that parameter. However, a comparison for all wells, considering all indicator parameters, does not recommend any of the 25 LTM wells for abandonment.

➤ Well Sufficiency Analysis – Potential New Well Locations are presented as Attachment C

New location analysis figures were generated using an Excel template file that accompanies the MAROS program. The figures are plotted using the coordinates for each well, as uploaded into the software within the initial data input file. A legend is displayed on the right side of each graph. As indicated by this legend, potential areas for new locations are indicated by triangles with high SF levels. The larger the SF value, the greater the estimation error.

Analysis As shown by these figures (Attachment C) no potential new well locations exist for alpha-BHC, arsenic, or dinoseb. However, a new potential well exists for TCE which is attributed to the offsite source that exists near BF-5. This issue has been addressed in previous reports and is not linked to the CIC Site. Therefore, no new location is recommended to be installed for TCE in relation to CIC.

➤ Sampling Frequency Analysis Report is presented as Attachment D

Sampling frequency analyses were determined, within MAROS, by analyzing the concentration trends of the indicator parameters in each well. Specifically, Mann-Kendall trend analysis results and the rate of

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change by linear regression are used in the analysis Trends for both the recent period of sampling and overall period of sampling are used in the analysis

Analysis Three types of recommended sampling frequencies are shown for each parameter in each well as indicated in Attachment D Definitions are as follows

- “Sampling Frequency” is the final recommendation determined based on overall and recent trends,
- “Recent Result” is the frequency determined based on the recent period of data, and
- “Overall Result” is the frequency determined based on an overall period of data.

For CIC, the overall period of data is all datasets from 2003 to the current dataset (5th Quarter LTM Event) for each well The recent period of data is the dataset from the post OU2 remediation (2005) to the 5th Quarter LTM Event The frequency based on recent data (middle column) is recommended to be used as the sampling frequency for CIC This assessment includes all data after the OU2 remedy

MAROS recommends the following schedule for sampling the LTM network.

Parameter	Frequency	Exceptions noted
alpha-BHC	annual	none
arsenic	annual	semi-annual for MW-6BR and quarterly for OU
dinoseb	annual	quarterly for BF-5
TCE	annual	quarterly for BF-4

Lessons Learned

- **System requirements and data input file** One of the specific MAROS requirements is to operate the program using Microsoft Office 2000 or higher and Microsoft Access 2000 or higher versions To satisfy the reference file library requirements of MAROS, the same versions of Office and Access should be used (i.e., 2000 or 2003) In addition, the input data file (required to be in either an Excel® spreadsheet or Access® spreadsheet) version should also coincide Initial attempts were made to create the data file from EarthSoft's EQuIS (Environmental Quality Information System) program Equis is an environmental data management system that is used to stored data generated from the CIC Site However, spreadsheets generated from another application, such as EQuIS, were found to cause some issues within the MAROS program Particularly, the cells may look empty, but actually contained some formatting within the file Moreover, cells that contained the numerical results for the sampling event were incorrectly formatted as text While uploading to MAROS, the data results were not read as sample data points and were then ignored
- **Datasets** The data set generated for MAROS met the minimum requirements, however, as noted above, the statistical modeling results are affected by the lack of more detections Statistical summary reports generated from one data point are not valid Also, statistical data generated from five rounds of data where the overall trend may seem to be decreasing, but variations exist in between, appear to have “no trend” within the MAROS program
- **Hydrogeological data (site detail) and plume extents** MAROS requires simple aquifer parameters for some calculations within the statistical analyses It is important to know all these parameters, and have an understanding of the geology of the site The source for this site was identified as a single

source, with a point adjacent to the former lagoons. If a source should be noted as several areas, future MAROS runs will incorporate those latitude and longitude coordinates.

- Plume extents are also included in the site details as the approximate limits of the plume width/length. Generating plume maps for each event could be useful in observing the extents of the plume after each sampling event.

Recommendations

- MAROS results were generated for the four indicator parameters – alpha-BHC, arsenic, dinoseb, and TCE. The maximum number of compounds to run the MAROS modeling program is five. The indicator parameters are examples of compounds that have detections associated with them and in some cases show trends. The MAROS program optimization is most likely suited for sites with an abundance of monitoring wells which have had multiple detections over many sampling events. For CIC, the majority of the wells contain non-detect concentrations for the key parameters. Statistics on the “non-detect” values indicated a stable plume. A careful review of all existing data for CIC should be performed for any other constituents of concern that could be utilized in the MAROS statistical modeling for CIC.
- Analyses of the recommendations for the sampling frequency, well abandonment, and potential new locations, are included in this memorandum. Sampling frequency recommendation resulted in an annual schedule for all indicator parameters in almost all wells. New well locations were biased towards potential a new well because of the offsite source of TCE. And finally, the well redundancy analysis did not result in sampling being completely terminated for any one well for all parameters. These recommendations are based on many variables within the MAROS program defined by the user – data results, hydrogeological parameters, plume extents, and source/receptor locations. All of these parameters could affect the MAROS results, as they are used in the calculations the program performs. Therefore, the user should not solely rely on the recommendations unless the input variables are carefully checked and agreed to by all parties involved.
- An analysis was provided for many of the key reports in MAROS to determine if MAROS is suitable to support recommendations for the CIC LTM network. For this site, the MAROS reports will be used to supplement the decision (already discussed by key stakeholders) that the frequency of the sampling should be decreased.

**Table 1 – Import data spreadsheet
(by Well ID)**

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
BF-2	529088 8	617318	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/1/2003	47	ug/L	0 05	
BF-2	529088 8	617318	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/21/2006	5 2	ug/L	0 05	
BF 2	529088 8	617318	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/31/2007	4 5	ug/L	0 05	
BF 2	529088 8	617318	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/20/2007	3 4	ug/L	0 05	
BF-2	529088 8	617318	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	3/26/2008	3 9	ug/L	0 05	
BF-2	529088 8	617318	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	6/17/2008	2 9	ug/L	0 05	
BF-2	529088 8	617318	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	9/16/2008	3 8	ug/L	0 05	
BF 2	529088 8	617318	ARSENIC	7/1/2003	12700	ug/L	20	
BF-2	529088 8	617318	ARSENIC	12/21/2006	1100	ug/L	20	
BF 2	529088 8	617318	ARSENIC	7/31/2007	832	ug/L	20	
BF 2	529088 8	617318	ARSĒNIC	12/20/2007	703	ug/L	20	
BF 2	529088 8	617318	ARSENIC	3/26/2008	1000	ug/L	20	
BF-2	529088 8	617318	ARSENIC	6/17/2008	760	ug/L	20	
BF 2	529088 8	617318	ARSENIC	9/16/2008	780	ug/L	20	
BF-2	529088 8	617318	DINOSEB	7/1/2003		ug/L	0.5	ND
BF 2	529088 8	617318	DINOSEB	12/21/2006		ug/L	0.5	ND
BF-2	529088 8	617318	DINOSEB	7/31/2007		ug/L	0.5	ND
BF-2	529088 8	617318	DINOSEB	12/20/2007		ug/L	0.5	ND
BF 2	529088 8	617318	DINOSEB	3/26/2008		ug/L	0.5	ND
BF-2	529088 8	617318	DINOSEB	6/17/2008		ug/L	0.91	ND
BF-2	529088 8	617318	TRICHLOROETHYLENE (TCE)	7/1/2003	4.2	ug/L	1	
BF 2	529088 8	617318	TRICHLOROETHYLENE (TCE)	12/21/2006	3 5	ug/L	0.5	
BF 2	529088 8	617318	TRICHLOROETHYLENE (TCE)	7/26/2007	3 7	ug/L	0.5	
BF 2	529088 8	617318	TRICHLOROETHYLENE (TCE)	12/20/2007	2 6	ug/L	0.5	
BF-2	529088 8	617318	TRICHLOROETHYLENE (TCE)	6/17/2008	2 4	ug/L	0.5	
BF 2	529088 8	617318	TRICHLOROETHYLENE (TCE)	3/26/2008	2 4	ug/L	0.5	
BF 2	529088 8	617318	TRICHLOROETHYLENE (TCE)	9/16/2008	2 8	ug/L	0.5	

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
BF-2D	529046 4	617366 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	10/19/2005	3 4	ug/L	0 05	
BF 2D	529046 4	617366 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/21/2006	5 1	ug/L	0 05	
BF 2D	529046 4	617366 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/26/2007	8 5	ug/L	0 05	
BF 2D	529046 4	617366 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/17/2008	3 3	ug/L	0 05	
BF 2D	529046 4	617366 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2007	6 7	ug/L	0 05	
BF-2D	529046 4	617366 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/26/2008	2 6	ug/L	0 05	
BF 2D	529046 4	617366 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008	3 1	ug/L	0 05	
BF-2D	529046 4	617366 4	ARSENIC	10/19/2005	25 9	ug/L	20	
BF-2D	529046 4	617366 4	ARSENIC	12/21/2006		ug/L	20	ND
BF-2D	529046 4	617366 4	ARSENIC	7/26/2007	23 9	ug/L	8	
BF-2D	529046 4	617366 4	ARSENIC	6/17/2008	14	ug/L	1	
BF-2D	529046 4	617366 4	ARSENIC	12/20/2007	21	ug/L	8	
BF-2D	529046 4	617366 4	ARSENIC	3/26/2008	11	ug/L	8	
BF-2D	529046 4	617366 4	ARSENIC	9/16/2008	9 9	ug/L	8	
BF-2D	529046 4	617366 4	DINOSEB	12/21/2006		ug/L	0 5	ND
BF-2D	529046 4	617366 4	DINOSEB	7/26/2007		ug/L	0 5	ND
BF-2D	529046 4	617366 4	DINOSEB	6/17/2008		ug/L	0 9	ND
BF-2D	529046 4	617366 4	DINOSEB	12/20/2007		ug/L	0 59	ND
BF-2D	529046 4	617366 4	DINOSEB	3/26/2008	0 91	ug/L	0 5	
BF-2D	529046 4	617366 4	DINOSEB	9/16/2008		ug/L	0 9	ND
BF-2D	529088 8	617318	TRICHLOROETHYLENE (TCE)	10/19/2005	1 9	ug/L		
BF-2D	529088 8	617318	TRICHLOROETHYLENE (TCE)	12/21/2006	4 4	ug/L		
BF 2D	529088 8	617318	TRICHLOROETHYLENE (TCE)	7/26/2007	8 1	ug/L		
BF-2D	529088 8	617318	TRICHLOROETHYLENE (TCE)	6/17/2008	3 1	ug/L		
BF-2D	529088 8	617318	TRICHLOROETHYLENE (TCE)	12/20/2007	5 1	ug/L		
BF 2D	529088 8	617318	TRICHLOROETHYLENE (TCE)	3/26/2008	1	ug/L		
BF-2D	529088 8	617318	TRICHLOROETHYLENE (TCE)	9/16/2008	1 6	ug/L		

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
BF-4	529619 1	617180 5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2006	4 2	ug/L		
BF-4	529619 1	617180 5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/31/2007	3.1	ug/L	0.05	ND
BF-4	529619 1	617180 5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2007		ug/L	0.05	ND
BF-4	529619 1	617180 5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/26/2008		ug/L	0.05	ND
BF-4	529619 1	617180 5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/17/2008		ug/L	0.05	ND
BF-4	529619 1	617180 5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/17/2008		ug/L	0.0026	ND
BF-4	529619 1	617180 5	ARSENIC	12/20/2006		ug/L	1	ND
BF-4	529619 1	617180 5	ARSENIC	7/31/2007		ug/L	0.8	ND
BF-4	529619 1	617180 5	ARSENIC	12/20/2007		ug/L	1.6	ND
BF-4	529619 1	617180 5	ARSENIC	3/26/2008		ug/L	8	ND
BF-4	529619 1	617180 5	ARSENIC	6/17/2008		ug/L	1	ND
BF-4	529619 1	617180 5	ARSENIC	9/17/2008		ug/L	8	ND
BF-4	529619 1	617180 5	DINOSEB	12/20/2006		ug/L	0.5	ND
BF-4	529619 1	617180 5	DINOSEB	7/31/2007		ug/L	0.5	ND
BF-4	529619 1	617180 5	DINOSEB	12/20/2007		ug/L	0.5	ND
BF-4	529619 1	617180 5	DINOSEB	3/26/2008		ug/L	0.5	ND
BF-4	529619 1	617180 5	DINOSEB	6/17/2008		ug/L	0.9	ND
BF-4	529619 1	617180 5	DINOSEB	9/17/2008	4 4	ug/L	0.5	ND
BF-4	529619 1	617180 5	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
BF-4	529619 1	617180 5	TRICHLOROETHYLENE (TCE)	7/31/2007		ug/L	1	ND
BF-4	529619 1	617180 5	TRICHLOROETHYLÉNE (TCE)	12/20/2007		ug/L	0.5	ND
BF-4	529619 1	617180 5	TRICHLOROETHYLENE (TCE)	3/26/2008		ug/L	0.5	ND
BF-4	529619 1	617180 5	TRICHLOROETHYLENE (TCE)	6/17/2008		ug/L	0.5	ND
BF-4	529619 1	617180 5	TRICHLOROETHYLENE (TCE)	9/17/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
BF-5	530061.2	616806	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/7/2003		ug/L	0.053	ND
BF 5	530061.2	616806	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/21/2006		ug/L	0.048	ND
BF 5	530061.2	616806	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/26/2007		ug/L	0.0024	ND
BF-5	530061.2	616806	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/20/2007		ug/L	0.05	ND
BF-5	530061.2	616806	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	3/27/2008		ug/L	0.05	ND
BF-5	530061.2	616806	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	6/18/2008		ug/L	0.048	ND
BF 5	530061.2	616806	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	9/17/2008		ug/L	0.0026	ND
BF 5	530061.2	616806	ARSENIC	7/7/2003		ug/L	3.4	ND
BF 5	530061.2	616806	ARSENIC	12/21/2006		ug/L	1.6	ND
BF 5	530061.2	616806	ARSENIC	7/26/2007		ug/L	0.8	ND
BF 5	530061.2	616806	ARSENIC	12/20/2007		ug/L	1	ND
BF-5	530061.2	616806	ARSENIC	3/27/2008		ug/L	8	ND
BF 5	530061.2	616806	ARSENIC	6/18/2008		ug/L	1	ND
BF-5	530061.2	616806	ARSENIC	9/17/2008		ug/L	8	ND
BF-5	530061.2	616806	DINOSEB	7/26/2007		ug/L	0.05	ND
BF 5	530061.2	616806	DINOSEB	12/20/2007		ug/L	0.05	ND
BF-5	530061.2	616806	DINOSEB	3/27/2008		ug/L	0.5	ND
BF 5	530061.2	616806	DINOSEB	6/18/2008		ug/L	0.9	ND
BF-5	530061.2	616806	DINOSEB	6/18/2008	1700	ug/L	1	
BF-5	530061.2	616806	TRICHLOROETHYLENE (TCE)	12/21/2006	1700	ug/L	1	
BF-5	530061.2	616806	TRICHLOROETHYLENE (TCE)	7/26/2007	1500	ug/L	1	
BF 5	530061.2	616806	TRICHLOROETHYLENE (TCE)	12/20/2007	1600	ug/L	0.5	
BF-5	530061.2	616806	TRICHLOROETHYLENE (TCE)	3/27/2008	1300	ug/L	0.5	
BF 5	530061.2	616806	TRICHLOROETHYLENE (TCE)	6/18/2008	1400	ug/L	0.5	
BF-5	530061.2	616806	TRICHLOROETHYLENE (TCE)	9/17/2008	1800	ug/L	0.5	

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
FU	529626 8	616815 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/8/2003		ug/L	0 05	ND
FU	529626 8	616815 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2006		ug/L	0 05	ND
FU	529626 8	616815 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/25/2007		ug/L	0 05	ND
FU	529626 8	616815 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007	0 035	ug/L	0 05	
FU	529626 8	616815 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/26/2008	0 036	ug/L	0 05	
FU	529626 8	616815 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/17/2008	0 032	ug/L	0 05	
FU	529626 8	616815 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008	0 039	ug/L	0 0026	
FU	529626 8	616815 4	ARSENIC	7/8/2003		ug/L	3 4	ND
FU	529626 8	616815 4	ARSENIC	12/20/2006		ug/L	1 6	ND
FU	529626 8	616815 4	ARSENIC	7/25/2007		ug/L	0 8	ND
FU	529626 8	616815 4	ARSENIC	12/19/2007	0 43	ug/L		
FU	529626 8	616815 4	ARSENIC	3/26/2008		ug/L	8	ND
FU	529626 8	616815 4	ARSENIC	6/17/2008		ug/L	1	ND
FU	529626 8	616815 4	ARSENIC	9/16/2008		ug/L	8	ND
FU	529626 8	616815 4	ARSENIC	7/8/2003	3 2	ug/L	0 5	
FU	529626 8	616815 4	DINOSEB	12/20/2006	4 1	ug/L	0 5	
FU	529626 8	616815 4	DINOSEB	7/25/2007	3 3	ug/L	0 5	
FU	529626 8	616815 4	DINOSEB	12/19/2007	1 1	ug/L	0 5	
FU	529626 8	616815 4	DINOSEB	3/26/2008	3 9	ug/L	0 5	
FU	529626 8	616815 4	DINOSEB	6/17/2008	3 8	ug/L	0 9	
FU	529626 8	616815 4	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
FU	529626 8	616815 4	TRICHLOROETHYLENE (TCE)	7/25/2007		ug/L	1	ND
FU	529626 8	616815 4	TRICHLOROETHYLENE (TCE)	12/19/2007	0 11	ug/L	0.5	
FU	529626 8	616815 4	TRICHLOROETHYLENE (TCE)	3/26/2008		ug/L	0 5	ND
FU	529626 8	616815 4	TRICHLOROETHYLENE (TCE)	6/17/2008		ug/L	0 5	ND
FU	529626 8	616815 4	TRICHLOROETHYLENE (TCE)	9/16/2008		ug/L	0 5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
GU	529627.5	617084.7	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008		ug/L	0.05	ND
GU	529627.5	617084.7	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/31/2007		ug/L	0.05	ND
GU	529627.5	617084.7	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2007		ug/L	0.049	ND
GU	529627.5	617084.7	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/27/2008		ug/L	0.0025	ND
GU	529627.5	617084.7	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/17/2008		ug/L	0.047	ND
GU	529627.5	617084.7	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/17/2008		ug/L	0.0024	ND
GU	529627.5	617084.7	ARSENIC	12/20/2006		ug/L	1.6	ND
GU	529627.5	617084.7	ARSENIC	7/31/2007	5.1	ug/L	1	
GU	529627.5	617084.7	ARSENIC	12/20/2007		ug/L	1.5	ND
GU	529627.5	617084.7	ARSENIC	3/27/2008		ug/L	8	ND
GU	529627.5	617084.7	ARSENIC	6/17/2008	3.5	ug/L	1	
GU	529627.5	617084.7	ARSENIC	9/17/2008		ug/L	8	ND
GU	529627.5	617084.7	DINOSEB	12/20/2006		ug/L	0.5	ND
GU	529627.5	617084.7	DINOSEB	7/31/2007		ug/L	0.5	ND
GU	529627.5	617084.7	DINOSEB	12/20/2007		ug/L	0.5	ND
GU	529627.5	617084.7	DINOSEB	3/27/2008	0.57	ug/L	0.5	
GU	529627.5	617084.7	DINOSEB	6/17/2008		ug/L	0.9	ND
GU	529627.5	617084.7	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
GU	529627.5	617084.7	TRICHLOROETHYLENE (TCE)	7/31/2007		ug/L	1	ND
GU	529627.5	617084.7	TRICHLOROETHYLENE (TCE)	12/20/2007		ug/L	0.5	ND
GU	529627.5	617084.7	TRICHLOROETHYLENE (TCE)	3/27/2008	1.9	ug/L		
GU	529627.5	617084.7	TRICHLOROETHYLENE (TCE)	6/17/2008		ug/L	0.5	ND
GU	529627.5	617084.7	TRICHLOROETHYLENE (TCE)	9/17/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW 1BRD	528988 7	617758 6	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	10/20/2005		ug/L	0 01	ND
MW 1BRD	528988 7	617758 6	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/19/2006		ug/L	0 05	ND
MW-1BRD	528988 7	617758 6	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/30/2007		ug/L	0 05	ND
MW 1BRD	528988 7	617758 6	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/18/2007		ug/L	0 05	ND
MW 1BRD	528988 7	617758 6	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	3/25/2008		ug/L	0 024	ND
MW 1BRD	528988 7	617758 6	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	6/16/2008		ug/L	0 05	ND
MW 1BRD	528988 7	617758 6	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	9/15/2008		ug/L	0 0024	ND
MW-1BRD	528988 7	617758 6	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/9/2003		ug/L	3 4	ND
MW-1BRD	528988 7	617758 6	ARSENIC	10/20/2005	1 9	ug/L	1	
MW 1BRD	528988 7	617758 6	ARSENIC	12/19/2006		ug/L	1.6	ND
MW 1BRD	528988 7	617758 6	ARSENIC	7/30/2007		ug/L	0 8	ND
MW-1BRD	528988 7	617758 6	ARSENIC	12/18/2007	2	ug/L	1	
MW-1BRD	528988 7	617758 6	ARSENIC	3/25/2008		ug/L	8	ND
MW 1BRD	528988 7	617758 6	ARSENIC	6/16/2008		ug/L	1	ND
MW 1BRD	528988 7	617758 6	ARSENIC	9/15/2008		ug/L	8	ND
MW-1BRD	528988 7	617758 6	ARSÉNIC	9/15/2008		ug/L	0.27	ND
MW 1BRD	528988 7	617758 6	ARSENIC	12/19/2006		ug/L	0.5	ND
MW 1BRD	528988 7	617758 6	DINOSEB	7/30/2007		ug/L	0.5	ND
MW-1BRD	528988 7	617758 6	DINOSEB	12/18/2007		ug/L	0.5	ND
MW 1BRD	528988 7	617758 6	DINOSEB	3/25/2008		ug/L	0.5	ND
MW 1BRD	528988 7	617758 6	TRICHLOROETHYLENE (TCE)	7/9/2003		ug/L	1	ND
MW 1BRD	528988 7	617758 6	TRICHLOROETHYLENE (TCE)	10/20/2005		ug/L	0.5	ND
MW 1BRD	528988 7	617758 6	TRICHLOROETHYLENE (TCE)	12/19/2006		ug/L	1	ND
MW 1BRD	528988 7	617758 6	TRICHLOROETHYLENE (TCE)	7/30/2007		ug/L	1	ND
MW 1BRD	528988 7	617758 6	TRICHLOROETHYLENE (TCE)	12/18/2007		ug/L	0.5	ND
MW 1BRD	528988 7	617758 6	TRICHLOROETHYLENE (TCE)	3/25/2008		ug/L	0.5	ND
MW 1BRD	528988 7	617758 6	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0.5	ND
MW 1BRD	528988 7	617758 6	TRICHLOROETHYLENE (TCE)	9/15/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW-1BRS	528979 4	617750 9	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	10/20/2005		ug/L	0 01	ND
MW 1BRS	528979 4	617750 9	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/19/2006		ug/L	0.05	ND
MW 1BRS	528979 4	617750 9	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/30/2007		ug/L	0 05	ND
MW-1BRS	528979 4	617750 9	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/18/2007		ug/L	0 05	ND
MW 1BRS	528979 4	617750 9	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	3/25/2008		ug/L	0 0026	ND
MW 1BRS	528979 4	617750 9	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	6/16/2008		ug/L	0 05	ND
MW-1BRS	528979 4	617750 9	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	9/15/2008		ug/L	0 0024	ND
MW 1BRS	528979 4	617750 9	ARSENIC	7/9/2003		ug/L	3 4	ND
MW-1BRS	528979 4	617750 9	ARSENIC	10/20/2005		ug/L	1	ND
MW-1BRS	528979 4	617750 9	ARSENIC	12/19/2006		ug/L	1 6	ND
MW 1BRS	528979 4	617750 9	ARSENIC	7/30/2007		ug/L	0 8	ND
MW 1BRS	528979 4	617750 9	ARSENIC	12/18/2007		ug/L	1	ND
MW 1BRS	528979 4	617750 9	ARSENIC	3/25/2008		ug/L	8	ND
MW-1BRS	528979 4	617750 9	ARSENIC	6/16/2008		ug/L	1	ND
MW-1BRS	528979 4	617750 9	ARSENIC	9/15/2008		ug/L	8	ND
MW-1BRS	528979 4	617750 9	DINOSEB	10/20/2005	0 26	ug/L	0 27	
MW-1BRS	528979 4	617750 9	DINOSEB	12/19/2006		ug/L	0 5	ND
MW 1BRS	528979 4	617750 9	DINOSEB	7/30/2007		ug/L	0 5	ND
MW 1BRS	528979 4	617750 9	DINOSEB	12/18/2007		ug/L	0 5	ND
MW-1BRS	528979 4	617750 9	DINOSEB	3/25/2008		ug/L	0 5	ND
MW 1BRS	528979 4	617750 9	TRICHLOROETHYLENE (TCE)	7/9/2003		ug/L	1	ND
MW-1BRS	528979 4	617750 9	TRICHLOROETHYLENE (TCE)	10/20/2005	0 16	ug/L	0 5	
MW-1BRS	528979 4	617750 9	TRICHLOROETHYLENE (TCE)	12/19/2006		ug/L	1	ND
MW 1BRS	528979 4	617750 9	TRICHLOROETHYLENE (TCE)	7/30/2007		ug/L	1	ND
MW 1BRS	528979 4	617750 9	TRICHLOROETHYLENE (TCE)	12/18/2007	0 2	ug/L	0 5	
MW 1BRS	528979 4	617750 9	TRICHLOROETHYLENE (TCE)	3/25/2008		ug/L	0 5	ND
MW-1BRS	528979 4	617750 9	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0 5	ND
MW 1BRS	528979 4	617750 9	TRICHLOROETHYLENE (TCE)	9/15/2008		ug/L	0 5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW-2BR	529713 2	617522 1	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	10/20/2005		ug/L	0 01	ND
MW 2BR	529713 2	617522 1	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2006		ug/L	0 05	ND
MW 2BR	529713 2	617522 1	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/30/2007		ug/L	0 05	ND
MW 2BR	529713 2	617522 1	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007		ug/L	0 05	ND
MW-2BR	529713 2	617522 1	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/25/2008		ug/L	0 0026	ND
MW-2BR	529713 2	617522 1	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/16/2008		ug/L	0 047	ND
MW-2BR	529713 2	617522 1	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/15/2008		ug/L	0 0024	ND
MW-2BR	529713 2	617522 1	ARSENIC	6/27/2003		ug/L	3 4	ND
MW-2BR	529713 2	617522 1	ARSENIC	10/20/2005	2 8	ug/L	1	
MW-2BR	529713 2	617522 1	ARSENIC	12/20/2006	2.8	ug/L	1	
MW-2BR	529713 2	617522 1	ARSENIC	7/30/2007	3 2	ug/L	0 8	
MW-2BR	529713 2	617522 1	ARSENIC	12/19/2007	3 8	ug/L		
MW-2BR	529713 2	617522 1	ARSENIC	3/25/2008		ug/L	8	ND
MW-2BR	529713 2	617522 1	ARSENIC	6/16/2008	2 7	ug/L	1	
MW-2BR	529713 2	617522 1	ARSENIC	9/15/2008		ug/L	8	ND
MW-2BR	529713 2	617522 1	DINOSEB	10/20/2005		ug/L	0 27	ND
MW-2BR	529713 2	617522 1	DINOSEB	12/20/2006		ug/L	0 5	ND
MW 2BR	529713 2	617522 1	DINOSEB	7/30/2007		ug/L	0 5	ND
MW 2BR	529713 2	617522 1	DINOSEB	12/19/2007		ug/L	0 5	ND
MW 2BR	529713 2	617522 1	DINOSEB	3/25/2008		ug/L	0 5	ND
MW 2BR	529713 2	617522 1	DINOSEB	6/27/2003		ug/L	1	ND
MW-2BR	529713 2	617522 1	TRICHLOROETHYLENE (TCE)	10/20/2005		ug/L	0 5	ND
MW-2BR	529713 2	617522 1	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
MW-2BR	529713 2	617522 1	TRICHLOROETHYLENE (TCE)	7/30/2007		ug/L	1	ND
MW-2BR	529713 2	617522 1	TRICHLOROETHYLENE (TCE)	12/19/2007		ug/L	0 5	ND
MW 2BR	529713 2	617522 1	TRICHLOROETHYLENE (TCE)	3/25/2008		ug/L	0 5	ND
MW 2BR	529713 2	617522 1	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0 5	ND
MW-2BR	529713 2	617522 1	TRICHLOROETHYLENE (TCE)	9/15/2008		ug/L	0 5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW 2I	529700 4	617510 3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	10/20/2005		ug/L	0.01	ND
MW 2I	529700 4	617510 3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2006		ug/L	0.05	ND
MW-2I	529700 4	617510 3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/30/2007		ug/L	0.05	ND
MW-2I	529700 4	617510 3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007		ug/L	0.05	ND
MW-2I	529700 4	617510 3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/25/2008		ug/L	0.0025	ND
MW 2I	529700 4	617510 3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/16/2008		ug/L	0.05	ND
MW-2I	529700 4	617510 3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008		ug/L	0.0024	ND
MW 2I	529700 4	617510 3	ARSENIC	10/20/2005	2.2	ug/L	1	
MW 2I	529700 4	617510 3	ARSENIC	12/19/2006		ug/L	1.6	ND
MW-2I	529700 4	617510 3	ARSENIC	7/30/2007		ug/L	0.8	ND
MW 2I	529700 4	617510 3	ARSENIC	12/19/2007	1.5	ug/L	1	
MW-2I	529700 4	617510 3	ARSENIC	3/25/2008		ug/L	8	ND
MW-2I	529700 4	617510 3	ARSENIC	6/16/2008	1.9	ug/L	1	
MW-2I	529700 4	617510 3	ARSENIC	9/16/2008		ug/L	8	ND
MW-2I	529700 4	617510 3	ARSENIC	10/20/2005		ug/L	0.27	ND
MW 2I	529700 4	617510 3	DINOSEB	12/19/2006		ug/L	0.5	ND
MW 2I	529700.4	617510 3	DINOSEB	7/30/2007		ug/L	0.5	ND
MW 2I	529700 4	617510 3	DINOSEB	12/19/2007		ug/L	0.5	ND
MW-2I	529700 4	617510 3	DINOSEB	3/25/2008		ug/L	0.5	ND
MW-2I	529700 4	617510 3	TRICHLOROETHYLENE (TCE)	10/20/2005		ug/L	0.5	ND
MW 2I	529700 4	617510 3	TRICHLOROETHYLENE (TCE)	12/19/2006		ug/L	1	ND
MW-2I	529700 4	617510.3	TRICHLOROETHYLENE (TCE)	7/30/2007		ug/L	1	ND
MW-2I	529700 4	617510.3	TRICHLOROETHYLENE (TCE)	12/19/2007		ug/L	0.5	ND
MW 2I	529700 4	617510 3	TRICHLOROETHYLENE (TCE)	3/25/2008		ug/L	0.5	ND
MW 2I	529700 4	617510 3	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0.5	ND
MW 2I	529700 4	617510 3	TRICHLOROETHYLENE (TCE)	9/16/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW 2S	529705	617515 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	10/20/2005		ug/L	0.01	ND
MW 2S	529705	617515 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2006		ug/L	0.05	ND
MW 2S	529705	617515 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/30/2007		ug/L	0.05	ND
MW 2S	529705	617515 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007		ug/L	0.05	ND
MW 2S	529705	617515 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/25/2008		ug/L	0.0025	ND
MW 2S	529705	617515 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/16/2008		ug/L	0.048	ND
MW-2S	529705	617515 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008		ug/L	0.0024	ND
MW 2S	529705	617515 4	ARSENIC	10/20/2005	1.5	ug/L	1	
MW 2S	529705	617515 4	ARSENIC	12/19/2006	1.8	ug/L	1.6	
MW 2S	529705	617515 4	ARSENIC	7/30/2007		ug/L	10	ND
MW-2S	529705	617515 4	ARSENIC	12/19/2007	2.1	ug/L	1	
MW 2S	529705	617515 4	ARSENIC	3/25/2008		ug/L	8	ND
MW 2S	529705	617515 4	ARSENIC	6/16/2008		ug/L	1	ND
MW 2S	529705	617515 4	ARSENIC	9/16/2008		ug/L	8	ND
MW-2S	529705	617515 4	ARSENIC			ug/L	0.27	ND
MW 2S	529705	617515 4	DINOSEB	10/20/2005		ug/L	0.5	ND
MW 2S	529705	617515 4	DINOSEB	12/19/2006		ug/L	0.5	ND
MW-2S	529705	617515 4	DINOSEB	7/30/2007		ug/L	0.5	ND
MW 2S	529705	617515 4	DINOSEB	12/19/2007		ug/L	0.5	ND
MW 2S	529705	617515 4	DINOSEB	3/25/2008		ug/L	0.5	ND
MW-2S	529705	617515 4	DINOSEB	6/16/2008		ug/L	0.96	ND
MW 2S	529705	617515 4	DINOSEB			ug/L	0.5	ND
MW-2S	529705	617515 4	TRICHLOROETHYLENE (TCE)	10/20/2005		ug/L	1	ND
MW 2S	529705	617515 4	TRICHLOROETHYLENE (TCE)	12/19/2006		ug/L	1	ND
MW 2S	529705	617515 4	TRICHLOROETHYLENE (TCE)	7/30/2007		ug/L	1	ND
MW 2S	529705	617515 4	TRICHLOROETHYLENE (TCE)	12/19/2007		ug/L	0.5	ND
MW 2S	529705	617515 4	TRICHLOROETHYLENE (TCE)	3/25/2008		ug/L	0.5	ND
MW 2S	529705	617515 4	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0.5	ND
MW 2S	529705	617515 4	TRICHLOROETHYLENE (TCE)	9/16/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW-3BR	531000 7	616365 4	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/20/2006		ug/L	0 05	ND
MW 3BR	531000 7	616365 4	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/25/2007		ug/L	0 05	ND
MW-3BR	531000 7	616365 4	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/20/2007		ug/L	0 049	ND
MW 3BR	531000 7	616365 4	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	3/25/2008		ug/L	0 0024	ND
MW 3BR	531000 7	616365 4	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	6/16/2008		ug/L	0 05	ND
MW 3BR	531000 7	616365 4	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	9/16/2008		ug/L	0 0024	ND
MW 3BR	531000 7	616365 4	ARSENIC	6/30/2003	3 5	ug/L	1	
MW 3BR	531000 7	616365 4	ARSENIC	12/20/2006		ug/L	1 6	ND
MW 3BR	531000 7	616365 4	ARSENIC	7/25/2007		ug/L	10	ND
MW 3BR	531000 7	616365 4	ARSENIC	12/20/2007	1 8	ug/L	1	
MW 3BR	531000 7	616365 4	ARSENIC	3/25/2008		ug/L	8	ND
MW 3BR	531000 7	616365 4	ARSENIC	6/16/2008		ug/L	1	ND
MW 3BR	531000 7	616365 4	ARSENIC	9/16/2008		ug/L	8	ND
MW-3BR	531000 7	616365 4	ARSENIC	6/30/2003		ug/L	0 52	ND
MW-3BR	531000 7	616365 4	DINOSEB	12/20/2006		ug/L	0 5	ND
MW 3BR	531000 7	616365 4	DINOSEB	7/25/2007		ug/L	0.5	ND
MW 3BR	531000 7	616365 4	DINOSEB	12/20/2007		ug/L	0.5	ND
MW-3BR	531000 7	616365 4	DINOSEB	3/25/2008		ug/L	0.5	ND
MW-3BR	531000 7	616365 4	DINOSEB	6/16/2008		ug/L	0.96	ND
MW 3BR	531000 7	616365 4	DINOSEB	6/30/2003		ug/L	1	ND
MW-3BR	531000 7	616365 4	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
MW 3BR	531000 7	616365 4	TRICHLOROETHYLENE (TCE)	7/25/2007		ug/L	1	ND
MW 3BR	531000 7	616365 4	TRICHLOROETHYLENE (TCE)	12/20/2007	0 11	ug/L	0.5	
MW 3BR	531000 7	616365 4	TRICHLOROETHYLENE (TCE)	3/25/2008		ug/L	0.5	ND
MW-3BR	531000 7	616365 4	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0.5	ND
MW 3BR	531000 7	616365 4	TRICHLOROETHYLENE (TCE)	9/16/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW-3S	531004 3	616342 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2006		ug/L	0 05	ND
MW-3S	531004 3	616342 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/31/2007		ug/L	0 05	ND
MW 3S	531004 3	616342.9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2007		ug/L	0 05	ND
MW-3S	531004 3	616342 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/25/2008		ug/L	0 0024	ND
MW 3S	531004.3	616342 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/18/2008		ug/L	0 05	ND
MW 3S	531004 3	616342 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008		ug/L	0 0024	ND
MW-3S	531004 3	616342 9	PHB BHC (BETA HEXACHLOROCYCLOHEXAN)	6/30/2003		ug/L	3 4	ND
MW-3S	531004 3	616342.9	PHB BHC (BETA HEXACHLOROCYCLOHEXAN)	12/20/2006		ug/L	1 6	ND
MW-3S	531004 3	616342 9	ARSENIC	7/31/2007	4 6	ug/L	1	
MW-3S	531004 3	616342 9	ARSENIC	12/20/2007	11	ug/L	1	
MW-3S	531004 3	616342 9	ARSENIC	3/25/2008		ug/L	8	ND
MW 3S	531004 3	616342.9	ARSENIC	6/18/2008		ug/L	1	ND
MW-3S	531004 3	616342 9	ARSENIC	9/16/2008		ug/L	8	ND
MW-3S	531004 3	616342 9	ARSENIC	6/30/2003		ug/L	0.54	ND
MW-3S	531004 3	616342 9	DINOSEB	12/20/2006		ug/L	0.5	ND
MW 3S	531004 3	616342 9	DINOSEB	7/31/2007		ug/L	0.5	ND
MW-3S	531004.3	616342 9	DINOSEB	12/20/2007		ug/L	0.5	ND
MW-3S	531004 3	616342 9	DINOSEB	3/25/2008		ug/L	0.5	ND
MW-3S	531004 3	616342.9	DINOSEB	6/18/2008		ug/L	0.97	ND
MW-3S	531004 3	616342 9	DINOSEB	9/16/2008		ug/L	1	ND
MW-3S	531004 3	616342 9	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
MW 3S	531004 3	616342 9	TRICHLOROETHYLENE (TCE)	7/31/2007		ug/L	0.5	ND
MW-3S	531004 3	616342 9	TRICHLOROETHYLENE (TCE)	12/20/2007		ug/L	0.5	ND
MW-3S	531004.3	616342 9	TRICHLOROETHYLENE (TCE)	3/25/2008		ug/L	0.5	ND
MW-3S	531004 3	616342 9	TRICHLOROETHYLENE (TCE)	6/18/2008		ug/L	0.5	ND
MW-3S	531004 3	616342 9	TRICHLOROETHYLENE (TCE)	9/16/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW-4BR	528348 2	617588 6	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	10/19/2005		ug/L	0 01	ND
MW-4BR	528348 2	617588 6	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/18/2006		ug/L	0 05	ND
MW-4BR	528348.2	617588 6	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/25/2007		ug/L	0 05	ND
MW-4BR	528348.2	617588 6	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/18/2007		ug/L	0 05	ND
MW-4BR	528348.2	617588 6	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/24/2008		ug/L	0 0025	ND
MW-4BR	528348 2	617588 6	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/16/2008		ug/L	0 047	ND
MW-4BR	528348 2	617588 6	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/15/2008		ug/L	0 0024	ND
MW-4BR	528348 2	617588 6	ARSENIC	10/19/2005	1 1	ug/L	1	
MW-4BR	528348 2	617588 6	ARSENIC	12/18/2006		ug/L	1 6	ND
MW-4BR	528348 2	617588 6	ARSENIC	7/25/2007		ug/L	10	ND
MW-4BR	528348 2	617588 6	ARSENIC	12/18/2007	2 4	ug/L	1	
MW-4BR	528348 2	617588 6	ARSENIC	3/24/2008		ug/L	8	ND
MW-4BR	528348 2	617588 6	ARSENIC	6/16/2008	1 1	ug/L	1	
MW-4BR	528348 2	617588 6	ARSENIC	9/15/2008		ug/L	8	ND
MW-4BR	528348 2	617588 6	DINOSEB	10/19/2005		ug/L	0 27	ND
MW-4BR	528348.2	617588 6	DINOSEB	12/18/2006		ug/L	0 5	ND
MW-4BR	528348 2	617588 6	DINOSEB	7/25/2007		ug/L	0 5	ND
MW-4BR	528348 2	617588 6	DINOSEB	12/18/2007		ug/L	0 5	ND
MW-4BR	528348 2	617588 6	DINOSEB	3/24/2008		ug/L	0 5	ND
MW-4BR	528348 2	617588 6	TRICHLOROETHYLENE (TCE)	10/19/2005		ug/L	1	ND
MW-4BR	528348 2	617588 6	TRICHLOROETHYLENE (TCE)	12/18/2006		ug/L	1	ND
MW-4BR	528348 2	617588 6	TRICHLOROETHYLENE (TCE)	7/25/2007		ug/L	1	ND
MW-4BR	528348 2	617588 6	TRICHLOROETHYLENE (TCE)	12/18/2007		ug/L	0 5	ND
MW-4BR	528348 2	617588 6	TRICHLOROETHYLENE (TCE)	3/24/2008		ug/L	0 5	ND
MW-4BR	528348 2	617588 6	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0 5	ND
MW-4BR	528348 2	617588 6	TRICHLOROETHYLENE (TCE)	9/15/2008		ug/L	0 5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW-4S	528341 8	617603 2	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	10/19/2005		ug/L	0 01	ND
MW-4S	528341 8	617603 2	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/18/2006		ug/L	0 05	ND
MW-4S	528341 8	617603 2	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	7/25/2007		ug/L	0 05	ND
MW-4S	528341 8	617603.2	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/18/2007		ug/L	0 05	ND
MW-4S	528341 8	617603 2	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	3/24/2008		ug/L	0 0024	ND
MW-4S	528341 8	617603 2	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	6/16/2008		ug/L	0 047	ND
MW-4S	528341 8	617603 2	-PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	9/15/2008		ug/L	0 0025	ND
MW-4S	528341 8	617603 2	ARSENIC	10/19/2005		ug/L	1	ND
MW-4S	528341 8	617603 2	ARSENIC	12/18/2006		ug/L	1 8	ND
MW-4S	528341 8	617603 2	ARSENIC	7/25/2007		ug/L	10	ND
MW-4S	528341 8	617603.2	ARSENIC	12/18/2007	0.69	ug/L	1 6	ND
MW-4S	528341 8	617603.2	ARSENIC	3/24/2008		ug/L	8	ND
MW-4S	528341 8	617603 2	ARSENIC	6/16/2008		ug/L	1	ND
MW-4S	528341 8	617603 2	ARSENIC	9/15/2008		ug/L	8	ND
MW-4S	528341 8	617603 2	ARSENIC	10/19/2005		ug/L	0.27	ND
MW-4S	528341 8	617603 2	DINOSEB	12/18/2006		ug/L	0.5	ND
MW-4S	528341 8	617603 2	DINOSEB	7/25/2007		ug/L	1	ND
MW-4S	528341 8	617603 2	DINOSEB	12/18/2007		ug/L	0.5	ND
MW-4S	528341 8	617603 2	DINOSEB	3/24/2008		ug/L	0.5	ND
MW-4S	528341 8	617603.2	TRICHLOROETHYLENE (TCE)	10/19/2005		ug/L	0.5	ND
MW-4S	528341 8	617603 2	TRICHLOROETHYLENE (TCE)	12/18/2006		ug/L	1	ND
MW-4S	528341 8	617603 2	TRICHLOROETHYLENE (TCE)	7/25/2007		ug/L	1	ND
MW-4S	528341 8	617603 2	TRICHLOROETHYLENE (TCE)	12/18/2007		ug/L	0.5	ND
MW-4S	528341 8	617603 2	TRICHLOROETHYLÈNE (TCE)	3/24/2008		ug/L	0.5	ND
MW-4S	528341 8	617603 2	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0.5	ND
MW-4S	528341 8	617603 2	TRICHLOROETHYLENE (TCE)	9/15/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW 5BR	529113 9	617340	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	8/28/2007	1 7	ug/L	0 05	
MW-5BR	529113 9	617340	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007	0 93	ug/L	0 05	
MW 5BR	529113 9	617340	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/26/2008	0 95	ug/L	0 0025	
MW-5BR	529113 9	617340	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/17/2008	0 78	ug/L	0 0048	
MW-5BR	529113 9	617340	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008	0 76	ug/L	0 0024	
MW 5BR	529113.9	617340	ARSENIC	8/28/2007	263	ug/L	1 3	
MW-5BR	529113 9	617340	ARSENIC	12/19/2007	247	ug/L	1 6	
MW 5BR	529113 9	617340	ARSENIC	3/26/2008	240	ug/L	8	
MW 5BR	529113 9	617340	ARSENIC	6/17/2008	210	ug/L	1	
MW-5BR	529113.9	617340	ARSENIC	9/16/2008	250	ug/L	8	
MW-5BR	529113.9	617340	DINOSEB	8/28/2007		ug/L	0.5	ND
MW-5BR	529113 9	617340	DINOSEB	12/19/2007		ug/L	0.5	ND
MW-5BR	529113 9	617340	DINOSEB	3/26/2008		ug/L	0.5	ND
MW 5BR	529113.9	617340	DINOSEB	6/17/2008		ug/L	0.9	ND
MW-5BR	529113 9	617340	TRICHLOROETHYLENE (TCE)	8/28/2007		ug/L	0.5	ND
MW 5BR	529113 9	617340	TRICHLOROETHYLENE (TCE)	12/19/2007		ug/L	0.5	ND
MW-5BR	529113.9	617340	TRICHLOROETHYLENE (TCE)	3/26/2008		ug/L	0.5	ND
MW 5BR	529113 9	617340	TRICHLOROETHYLENE (TCE)	6/17/2008		ug/L	0.5	ND
MW 5BR	529113 9	617340	TRICHLOROETHYLENE (TCE)	9/16/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW-6BR	529064 2	617054 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	8/28/2007	0.16	ug/L	0.05	
MW-6BR	529064.2	617054 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	12/19/2007	0.13	ug/L	0.05	
MW-6BR	529064.2	617054 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	3/26/2008	0.069	ug/L	0.0025	
MW-6BR	529064.2	617054 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	6/17/2008	0.056	ug/L	0.0048	
MW-6BR	529064 2	617054 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN	9/16/2008	0.096	ug/L	0.0024	
MW-6BR	529064 2	617054 4	ARSENIC	8/28/2007		ug/L	1.3	ND
MW-6BR	529064.2	617054 4	ARSENIC	12/19/2007		ug/L	1.9	ND
MW-6BR	529064 2	617054 4	ARSENIC	3/26/2008		ug/L	8	ND
MW-6BR	529064.2	617054 4	ARSENIC	6/17/2008		ug/L	1	ND
MW-6BR	529064 2	617054 4	ARSENIC	9/16/2008		ug/L	8	ND
MW-6BR	529064.2	617054 4	ARSENIC	8/28/2007		ug/L	0.5	ND
MW-6BR	529064 2	617054 4	DINOSEB	12/19/2007		ug/L	0.5	ND
MW-6BR	529064 2	617054 4	DINOSEB	3/26/2008		ug/L	0.5	ND
MW-6BR	529064.2	617054 4	DINOSEB	6/17/2008		ug/L	0.92	ND
MW-6BR	529064 2	617054 4	DINOSEB	8/28/2007		ug/L	1	
MW-6BR	529064 2	617054 4	TRICHLOROETHYLENE (TCE)	12/19/2007	0.95	ug/L	0.5	
MW-6BR	529064 2	617054 4	TRICHLOROETHYLENE (TCE)	3/26/2008	0.66	ug/L	0.5	
MW-6BR	529064 2	617054 4	TRICHLOROETHYLENE (TCE)	6/17/2008	0.79	ug/L	0.5	
MW-6BR	529064 2	617054 4	TRICHLOROETHYLENE (TCE)	9/16/2008	1.1	ug/L	0.5	
MW-6BR	529064 2	617054 4	TRICHLOROETHYLENE (TCE)					

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
MW-7BR	529631 5	616812.9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	8/28/2007		ug/L	0.05	ND
MW-7BR	529631 5	616812.9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007		ug/L	0.05	ND
MW-7BR	529631 5	616812.9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/26/2008		ug/L	0.0093	ND
MW-7BR	529631 5	616812.9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/17/2008		ug/L	0.05	ND
MW-7BR	529631 5	616812.9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008		ug/L	0.0024	ND
MW-7BR	529631 5	616812.9	PHB BHC (ALPHA HEXACHLOROCYCLOHEXAN)	8/28/2007		ug/L	1.3	ND
MW-7BR	529631 5	616812.9	ARSENIC	12/19/2007	1.7	ug/L	1.9	
MW-7BR	529631 5	616812.9	ARSENIC	3/26/2008		ug/L	8	ND
MW-7BR	529631 5	616812.9	ARSENIC	6/17/2008		ug/L	1	ND
MW-7BR	529631 5	616812.9	ARSENIC	9/16/2008		ug/L	8	ND
MW-7BR	529631 5	616812.9	ARSENIC	8/28/2007		ug/L	0.5	ND
MW-7BR	529631 5	616812.9	DINOSEB	12/19/2007		ug/L	0.5	ND
MW-7BR	529631 5	616812.9	DINOSEB	3/26/2008		ug/L	0.5	ND
MW-7BR	529631 5	616812.9	DINOSEB	6/17/2008		ug/L	0.97	ND
MW-7BR	529631 5	616812.9	TRICHLOROETHYLENE (TCE)	8/28/2007	5.9	ug/L	1	
MW-7BR	529631 5	616812.9	TRICHLOROETHYLENE (TCE)	12/19/2007	4.5	ug/L	0.5	
MW-7BR	529631 5	616812.9	TRICHLOROETHYLENE (TCE)	3/26/2008	2.6	ug/L	0.5	
MW-7BR	529631 5	616812.9	TRICHLOROETHYLENE (TCE)	6/17/2008	5.2	ug/L	0.5	
MW-7BR	529631 5	616812.9	TRICHLOROETHYLENE (TCE)	9/16/2008	2.7	ug/L	0.5	

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetectLim	Flags
MW-8BR	530010.9	616453.3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	8/28/2007		ug/L	0.05	ND
MW-8BR	530010.9	616453.3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2007		ug/L	0.05	ND
MW-8BR	530010.9	616453.3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/26/2008		ug/L	0.0025	ND
MW-8BR	530010.9	616453.3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/18/2008		ug/L	0.05	ND
MW-8BR	530010.9	616453.3	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/17/2008		ug/L	0.0024	ND
MW-8BR	530010.9	616453.3	PHB BHC (BETA HEXACHLOROCYCLOHEXAN)	8/28/2007		ug/L	1.3	ND
MW-8BR	530010.9	616453.3	ARSENIC	12/20/2007	2.7	ug/L	1.9	
MW-8BR	530010.9	616453.3	ARSENIC	3/26/2008		ug/L	8	ND
MW-8BR	530010.9	616453.3	ARSENIC	6/18/2008	11	ug/L	1	
MW-8BR	530010.9	616453.3	ARSENIC	9/17/2008		ug/L	8	ND
MW-8BR	530010.9	616453.3	DINOSEB	8/28/2007		ug/L	0.5	ND
MW-8BR	530010.9	616453.3	DINOSEB	12/20/2007		ug/L	0.5	ND
MW-8BR	530010.9	616453.3	DINOSEB	3/26/2008		ug/L	0.5	ND
MW-8BR	530010.9	616453.3	DINOSEB	6/18/2008		ug/L	0.99	ND
MW-8BR	530010.9	616453.3	TRICHLOROETHYLENE (TCE)	8/28/2007	84	ug/L	1	
MW-8BR	530010.9	616453.3	TRICHLOROETHYLENE (TCE)	12/20/2007	39	ug/L	0.5	
MW-8BR	530010.9	616453.3	TRICHLOROETHYLENE (TCE)	3/26/2008	25	ug/L	0.5	
MW-8BR	530010.9	616453.3	TRICHLOROETHYLENE (TCE)	6/18/2008	40	ug/L	0.5	
MW-8BR	530010.9	616453.3	TRICHLOROETHYLENE (TCE)	9/17/2008	39	ug/L	0.5	

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetectLim	Flags
NUS-2D	528866 2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/26/2003		ug/L	0.05	ND
NUS-2D	528866 2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	10/19/2005		ug/L	0.01	ND
NUS-2D	528866 2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2006		ug/L	0.05	ND
NUS-2D	528866 2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/25/2007		ug/L	0.05	ND
NUS-2D	528866 2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007		ug/L	0.05	ND
NUS-2D	528866 2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/24/2008		ug/L	0.0024	ND
NUS-2D	528866 2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/16/2008		ug/L	0.047	ND
NUS-2D	528866.2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/15/2008		ug/L	0.0024	ND
NUS-2D	528866 2	616745 8	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/26/2003		ug/L	3.4	ND
NUS-2D	528866 2	616745 8	ARSENIC	10/19/2005	1.7	ug/L	1	
NUS-2D	528866 2	616745 8	ARSENIC	12/20/2006		ug/L	1.6	ND
NUS-2D	528866 2	616745 8	ARSENIC	7/25/2007		ug/L	10	ND
NUS-2D	528866 2	616745 8	ARSENIC	12/19/2007	2.6	ug/L	1.9	
NUS-2D	528866 2	616745 8	ARSENIC	3/24/2008		ug/L	8	ND
NUS-2D	528866 2	616745 8	ARSENIC	6/16/2008	1.5	ug/L	1	
NUS-2D	528866 2	616745 8	ARSENIC	9/15/2008		ug/L	8	ND
NUS-2D	528866.2	616745 8	ARSENIC	6/26/2003		ug/L	0.5	ND
NUS-2D	528866 2	616745 8	DINOSEB	10/19/2005		ug/L	0.28	ND
NUS-2D	528866 2	616745 8	DINOSEB	12/20/2006		ug/L	0.5	ND
NUS-2D	528866 2	616745 8	DINOSEB	7/25/2007		ug/L	0.5	ND
NUS-2D	528866 2	616745 8	DINOSEB	12/19/2007		ug/L	0.5	ND
NUS-2D	528866 2	616745.8	DINOSEB	3/24/2008		ug/L	0.5	ND
NUS-2D	528866 2	616745 8	TRICHLOROETHYLENE (TCE)	10/19/2005		ug/L	0.5	ND
NUS-2D	528866 2	616745 8	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
NUS-2D	528866 2	616745 8	TRICHLOROETHYLENE (TCE)	7/25/2007		ug/L	1	ND
NUS-2D	528866 2	616745 8	TRICHLOROETHYLENE (TCE)	12/19/2007	0.6	ug/L	0.5	
NUS-2D	528866 2	616745 8	TRICHLOROETHYLENE (TCE)	3/24/2008		ug/L	0.5	ND
NUS-2D	528866.2	616745 8	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0.5	ND
NUS-2D	528866 2	616745 8	TRICHLOROETHYLENE (TCE)	9/15/2008		ug/L	0.5	ND
NUS-2D	528866 2	616745 8	TRICHLOROETHYLENE (TCE)					

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetLim	Flags
NUS-3D	528591 5	616683.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	10/18/2005		ug/L	0.01	ND
NUS-3D	528591 5	616683.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2006		ug/L	0.05	ND
NUS-3D	528591 5	616683.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/25/2007		ug/L	0.05	ND
NUS-3D	528591 5	616683.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007	0.0072	ug/L	0.05	
NUS-3D	528591 5	616683.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/24/2008		ug/L	0.0024	ND
NUS-3D	528591 5	616683.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/16/2008		ug/L	0.047	ND
NUS-3D	528591 5	616683.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/15/2008		ug/L	0.0024	ND
NUS-3D	528591.5	616683.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)			ug/L	1	
NUS-3D	528591 5	616683.5	ARSENIC	10/18/2005	1.8	ug/L	1	
NUS-3D	528591 5	616683.5	ARSENIC	12/20/2006		ug/L	1.6	ND
NUS-3D	528591 5	616683.5	ARSENIC	7/25/2007		ug/L	0.8	ND
NUS-3D	528591 5	616683.5	ARSENIC	12/19/2007	1.4	ug/L	1	
NUS-3D	528591 5	616683.5	ARSENIC	3/24/2008		ug/L	8	ND
NUS-3D	528591 5	616683.5	ARSENIC	6/16/2008		ug/L	1	ND
NUS-3D	528591 5	616683.5	ARSENIC	9/15/2008		ug/L	8	ND
NUS-3D	528591 5	616683.5	ARSENIC	10/18/2005		ug/L	0.3	ND
NUS-3D	528591 5	616683.5	DINOSEB	12/20/2006		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	DINOSEB	7/25/2007		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	DINOSEB	12/19/2007		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	DINOSEB	3/24/2008		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	DINOSEB	10/18/2005		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
NUS-3D	528591 5	616683.5	TRICHLOROETHYLENE (TCE)	7/25/2007		ug/L	1	ND
NUS-3D	528591 5	616683.5	TRICHLOROETHYLENE (TCE)	12/19/2007		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	TRICHLOROETHYLENE (TCE)	3/24/2008		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	TRICHLOROETHYLENE (TCE)	9/15/2008		ug/L	0.5	ND
NUS-3D	528591 5	616683.5	TRICHLOROETHYLENE (TCE)			ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetectLim	Flags
NUS-3S	528598 9	616681	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	10/18/2005		ug/L	0.01	ND
NUS-3S	528598 9	616681	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2006		ug/L	0.05	ND
NUS-3S	528598.9	616681	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/25/2007		ug/L	0.05	ND
NUS-3S	528598 9	616681	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007		ug/L	0.05	ND
NUS-3S	528598 9	616681	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/24/2008		ug/L	0.0024	ND
NUS-3S	528598 9	616681	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/16/2008		ug/L	0.05	ND
NUS-3S	528598 9	616681	_PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/15/2008		ug/L	0.0024	ND
NUS-3S	528598 9	616681	ARSENIC	10/18/2005		ug/L	1	ND
NUS-3S	528598 9	616681	ARSENIC	12/20/2006		ug/L	1.6	ND
NUS-3S	528598 9	616681	ARSENIC	7/25/2007		ug/L	0.8	ND
NUS-3S	528598 9	616681	ARSENIC	12/19/2007	0.37	ug/L	1	ND
NUS-3S	528598.9	616681	ARSENIC	3/24/2008		ug/L	8	ND
NUS-3S	528598 9	616681	ARSENIC	6/16/2008		ug/L	1	ND
NUS-3S	528598 9	616681	ARSENIC	9/15/2008		ug/L	8	ND
NUS-3S	528598 9	616681	ARSENIC	10/18/2005		ug/L	0.27	ND
NUS-3S	528598 9	616681	DINOSEB	12/20/2006		ug/L	0.5	ND
NUS-3S	528598 9	616681	DINOSEB	7/25/2007		ug/L	0.5	ND
NUS-3S	528598 9	616681	DINOSEB	12/19/2007		ug/L	0.5	ND
NUS-3S	528598 9	616681	DINOSEB	3/24/2008		ug/L	0.5	ND
NUS-3S	528598.9	616681	TRICHLOROETHYLENE (TCE)	10/18/2005		ug/L	0.5	ND
NUS-3S	528598 9	616681	TRICHLOROETHYLENE (TCE)	12/20/2006		ug/L	1	ND
NUS-3S	528598 9	616681	TRICHLOROETHYLENE (TCE)	7/25/2007		ug/L	1	ND
NUS-3S	528598 9	616681	TRICHLOROETHYLENE (TCE)	12/19/2007		ug/L	0.5	ND
NUS-3S	528598.9	616681	TRICHLOROETHYLENE (TCE)	3/24/2008		ug/L	0.5	ND
NUS-3S	528598 9	616681	TRICHLOROETHYLENE (TCE)	6/16/2008		ug/L	0.5	ND
NUS-3S	528598 9	616681	TRICHLOROETHYLENE (TCE)	9/15/2008		ug/L	0.5	ND

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetectLim	Flags
OU 530059 1	616797 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/21/2006		ug/L	0.05	ND	
OU 530059 1	616797 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2007		ug/L	0.05	ND	
OU 530059 1	616797 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/27/2008		ug/L	0.0025	ND	
OU 530059 1	616797 4	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/18/2008		ug/L	0.05	ND	
OU 530059 1	616797 4	ARSENIC	7/3/2003	11.8	ug/L	3.4		
OU 530059 1	616797 4	ARSENIC	12/21/2006	20	ug/L			ND
OU 530059 1	616797 4	ARSENIC	12/20/2007	1.3	ug/L	0.8		
OU 530059 1	616797 4	ARSENIC	3/27/2008		ug/L	8	ND	
OU 530059 1	616797 4	ARSENIC	6/18/2008	3	ug/L	1	ND	
OU 530059.1	616797 4	ARSENIC	7/3/2003		ug/L	0.51	ND	
OU 530059 1	616797 4	DINOSEB	12/21/2006		ug/L	0.5	ND	
OU 530059 1	616797 4	DINOSEB	12/20/2007		ug/L	0.5	ND	
OU 530059 1	616797 4	DINOSEB	3/27/2008		ug/L	0.5	ND	
OU 530059 1	616797 4	DINOSEB	6/18/2008		ug/L	0.91	ND	
OU 530059 1	616797 4	TRICHLOROETHYLENE (TCE)	12/20/2007		ug/L	0.5	ND	
OU 530059 1	616797 4	TRICHLOROETHYLENE (TCE)	3/27/2008		ug/L	0.5	ND	
OU 530059 1	616797 4	TRICHLOROETHYLENE (TCE)	6/18/2008		ug/L	0.5	ND	

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetectLim	Flags
QD	529370.6	616751 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/3/2003	0.09	ug/L	0.05	ND
QD	529370 6	616751 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/21/2006		ug/L	0.05	ND
QD	529370 6	616751 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/26/2007	0.057	ug/L	0.05	
QD	529370 6	616751 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/20/2007	0.047	ug/L	0.05	
QD	529370 6	616751 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/25/2008	0.038	ug/L	0.0025	
QD	529370 6	616751 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/18/2008	0.031	ug/L	0.05	
QD	529370 6	616751 9	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/17/2008	0.052	ug/L	0.0024	
QD	529370 6	616751 9	ARSENIC	7/3/2003		ug/L	3.4	ND
QD	529370 6	616751 9	ARSENIC	12/21/2006		ug/L	1.6	ND
QD	529370.6	616751 9	ARSENIC	7/26/2007		ug/L	10	ND
QD	529370 6	616751 9	ARSENIC	12/20/2007	0.55	ug/L	1	
QD	529370 6	616751 9	ARSENIC	3/25/2008		ug/L	8	ND
QD	529370 6	616751 9	ARSENIC	6/18/2008		ug/L	1	ND
QD	529370 6	616751 9	ARSENIC	9/17/2008		ug/L	8	ND
QD	529370 6	616751 9	ARSENIC	7/3/2003	21	ug/L	1	
QD	529370 6	616751 9	DINOSEB	12/21/2006	7.6	ug/L	0.5	
QD	529370.6	616751 9	DINOSEB	7/26/2007	6.9	ug/L	0.5	
QD	529370 6	616751 9	DINOSEB	12/20/2007	4.7	ug/L	0.5	
QD	529370 6	616751 9	DINOSEB	3/25/2008	3	ug/L	0.5	
QD	529370 6	616751 9	DINOSEB	6/18/2008	7.1	ug/L	0.5	
QD	529370 6	616751 9	DINOSEB	9/17/2008	8.5	ug/L	0.5	
QD	529370 6	616751 9	TRICHLOROETHYLENE (TCE)	12/21/2006	1.8	ug/L	1	
QD	529370 6	616751 9	TRICHLOROETHYLENE (TCE)	7/26/2007	2.1	ug/L	1	
QD	529370 6	616751 9	TRICHLOROETHYLENE (TCE)	12/20/2007	1.9	ug/L	0.5	
QD	529370 6	616751 9	TRICHLOROETHYLENE (TCE)	3/25/2008	1.8	ug/L	0.5	
QD	529370 6	616751 9	TRICHLOROETHYLENE (TCE)	6/18/2008	1.7	ug/L	0.5	
QD	529370 6	616751 9	TRICHLOROETHYLENE (TCE)	9/17/2008	3	ug/L	0.5	

WellName	XCoord	YCoord	Constituent	SampleDate	Result	Units	DetectLim	Flags
UU	530363.2	616309.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/21/2006		ug/L	0.05	ND
UU	530363.2	616309.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	7/25/2007		ug/L	0.05	ND
UU	530363.2	616309.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	12/19/2007		ug/L	0.05	ND
UU	530363.2	616309.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	3/25/2008		ug/L	0.0025	ND
UU	530363.2	616309.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	6/17/2008		ug/L	0.048	ND
UU	530363.2	616309.5	PHA BHC (ALPHA HEXACHLOROCYCLOHEXAN)	9/16/2008		ug/L	0.0025	ND
UU	530363.2	616309.5	ARSENIC	7/8/2003	4.4	ug/L	3.4	
UU	530363.2	616309.5	ARSENIC	12/21/2006		ug/L	20	ND
UU	530363.2	616309.5	ARSENIC	7/25/2007	16.8	ug/L	10	
UU	530363.2	616309.5	ARSENIC	12/19/2007	1.1	ug/L	1	
UU	530363.2	616309.5	ARSENIC	3/25/2008		ug/L	8	ND
UU	530363.2	616309.5	ARSENIC	6/17/2008	2.5	ug/L	1	
UU	530363.2	616309.5	ARSENIC	9/16/2008	8.3	ug/L	8	
UU	530363.2	616309.5	ARSENIC			ug/L	0.5	ND
UU	530363.2	616309.5	DINOSEB	12/21/2006		ug/L	0.5	ND
UU	530363.2	616309.5	DINOSEB	7/25/2007		ug/L	0.5	ND
UU	530363.2	616309.5	DINOSEB	12/19/2007		ug/L	0.5	ND
UU	530363.2	616309.5	DINOSEB	3/25/2008		ug/L	0.5	ND
UU	530363.2	616309.5	DINOSEB	6/17/2008		ug/L	0.92	ND
UU	530363.2	616309.5	TRICHLOROETHYLENE (TCE)	7/8/2003	4.7	ug/L	1	
UU	530363.2	616309.5	TRICHLOROETHYLENE (TCE)	12/21/2006	3.5	ug/L	1	
UU	530363.2	616309.5	TRICHLOROETHYLENE (TCE)	7/25/2007	2.4	ug/L	1	
UU	530363.2	616309.5	TRICHLOROETHYLENE (TCE)	12/19/2007	2.4	ug/L	0.5	
UU	530363.2	616309.5	TRICHLOROETHYLENE (TCE)	3/25/2008	2.8	ug/L	0.5	
UU	530363.2	616309.5	TRICHLOROETHYLENE (TCE)	6/17/2008	1.5	ug/L	0.5	
UU	530363.2	616309.5	TRICHLOROETHYLENE (TCE)	9/16/2008	1.4	ug/L	0.5	

Table 2 – Hydrogeological parameters

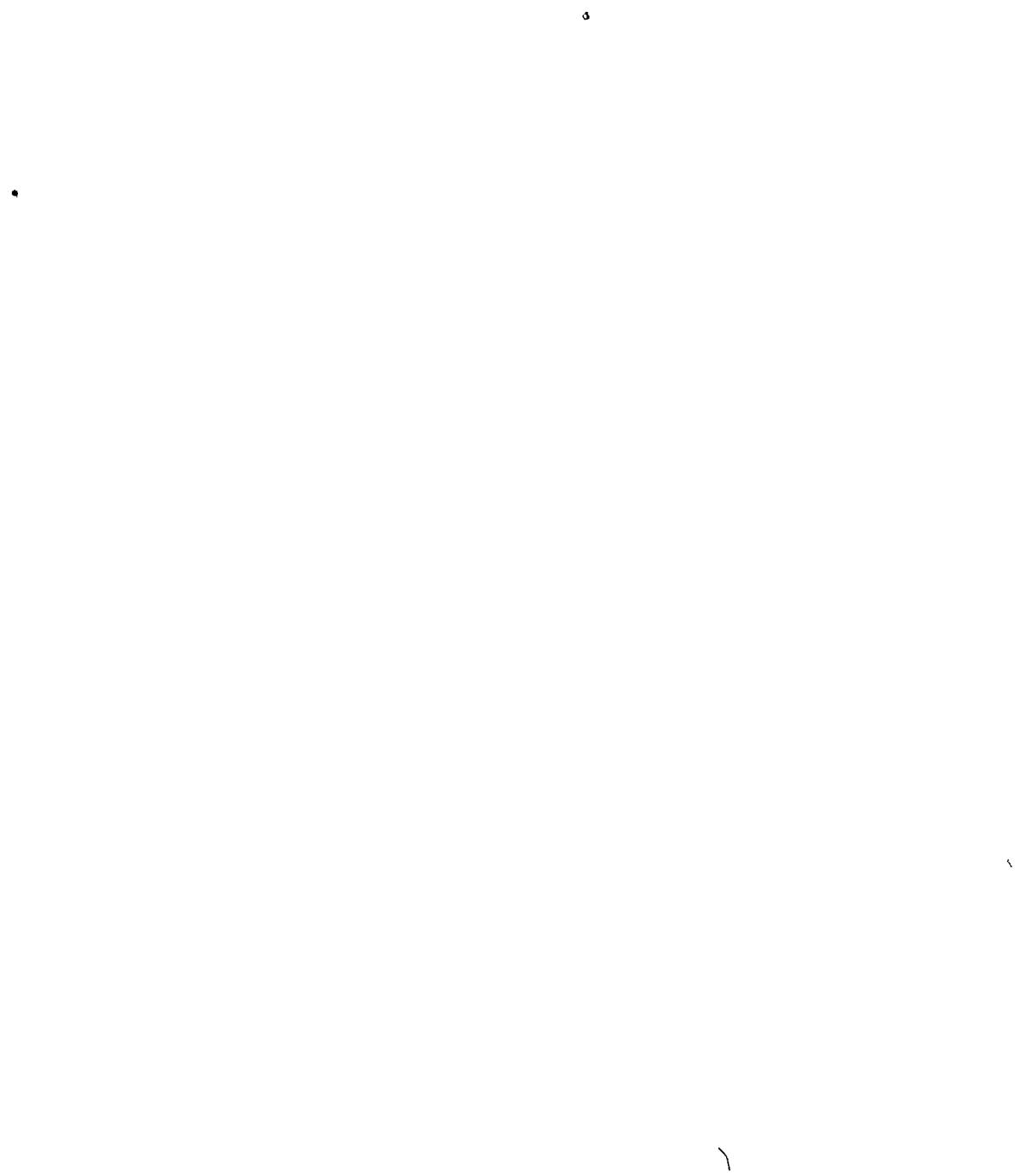
Chemical Insecticide Corporation

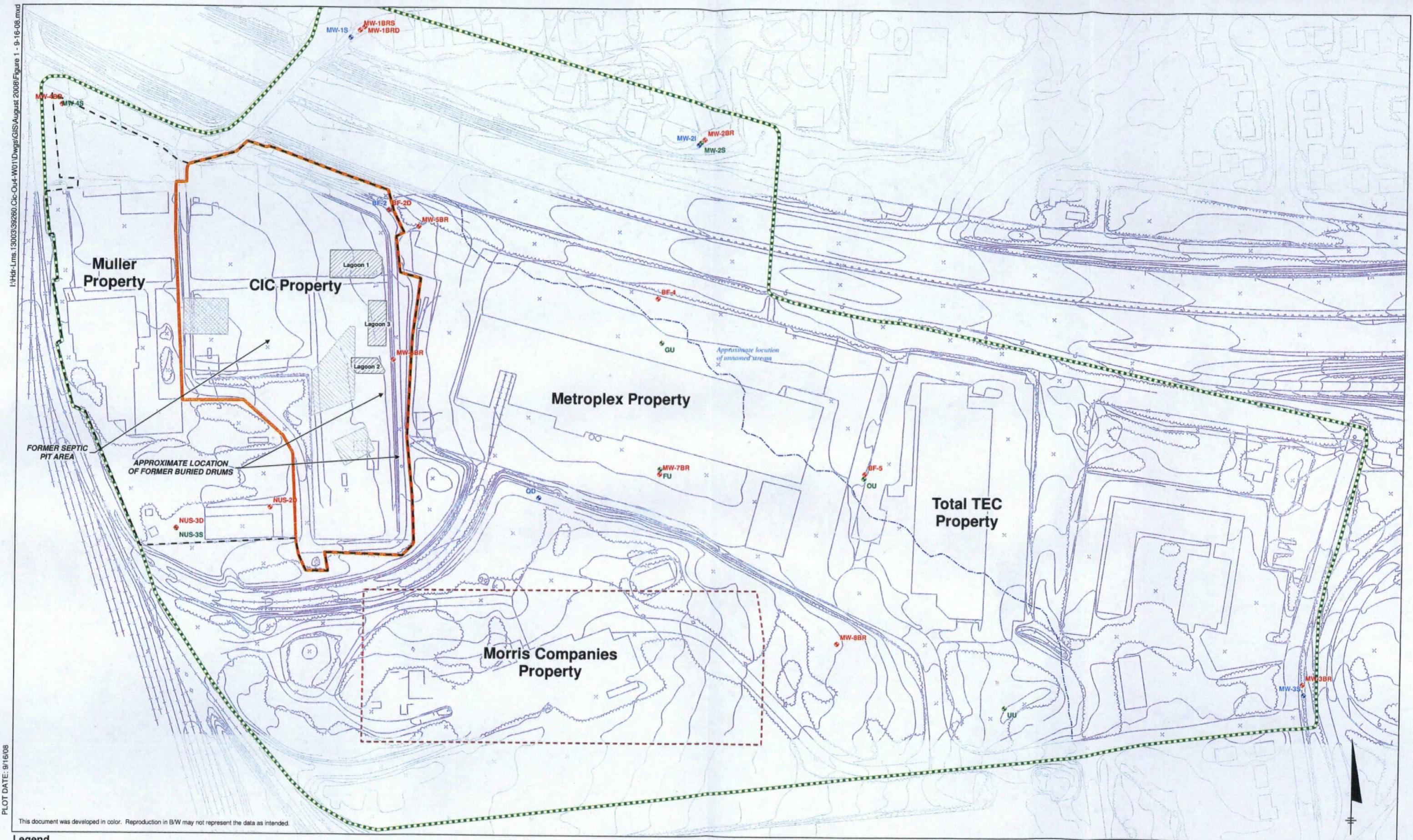
Edison, NJ

Table 2 - Site Information and Hydrogeology

Site Information			Notes/assumptions
General			
Project:	Chemical Insecticide Corporation		
Location	Edison Twp	New Jersey	
Hydrogeology			
Hydraulic Conductivity (K)	1.11 ft/day or 0.0004 cm/sec	(source Phase IV RI, Foster Wheeler, July 2000) assume average of 0.35	
Porosity	~29-40%	(source Phase IV RI, Foster Wheeler, July 2000)	
Horizontal gradient	0.02-0.04 feet/feet	(source Additional Ground water Investigation Report, O'Brien & Gere, September 2008)	
Ground Water Seepage Velocity (ft/yr)	35	$q_s = v = \text{seepage velocity } [L/T] = K I / \theta$ $K = \text{hydraulic conductivity } [L/T]$ $I = \text{hydraulic gradient } [L/L]$ $\theta = \text{porosity } [L/L]$ (source http://www.epa.gov/athens/learn2model/part-two/onsite/seepage.htm)	
Current Plume Width	600	Estimated using Aerial Extent Figures 8 and 9 from AGI (Distance of BF-2 to FU)	
Current Plume Length	800	Estimated using Aerial Extent Figures 8 and 9 from AGI (Distance from BF-2 to QD)	
Maximum Plume Length	1500	Estimated based on distance from BF-2 to UU MW-1BR, MW-1BRD, MW-2BR, MW-2I, MW-2S, MW-3S, MW-3BR, BF-4, BF-5, FU, GU, QD, OU, MW-7BR, MW-8BR, UU	
Number of Tail Wells	16	NUS-3D, NUS-3S, NUS-2D, MW-6BR, BF-2D, BF-2, MW-5BR, MW-4BR, MW-4S	
Number of Source Wells	9		
Source Information			
Free Phase NAPL present?	No	NAPL was never a constituent of concern	
Current Source Treatment	Excavation (OU2)	OUT2 Remedy, natural attenuation	
Distance from Source to Nearest			
Down-gradient receptor	100	Estimated based on the distance from MW-6BR to Metroplex building	
Down-gradient property	100	Estimated based on the distance from MW-6BR to Metroplex building	
Distance from Edge of Tail to Nearest			
Down-gradient receptor	200	Estimated based on the distance from UU to Total Tec	
Down-gradient property	200	Estimated based on the distance from UU to Total Tec	

Figure – Site Plan





CHEMICAL INSECTICIDE CORPORATION
EDISON TOWNSHIP, MIDDLESEX COUNTY, NEW JERSEY
OPERABLE UNIT 4 (OU4) - GROUNDWATER

0 45 90 180 270 360 Feet

SITE PLAN

FILE NO.
13003139260
DATE
September 2008

O'BRIEN & GERE
ENGINEERS, INC.

FIGURE 1

Attachment A – Statistical Analysis

MAROS Site Results

Project Chemical Insecticide Corporation
Location Edison

User Name. Lisa Tilton
State New Jersey

User Defined Site and Data Assumptions

Hydrogeology and Plume Information

Groundwater Seepage Velocity 35 ft/yr
 Current Plume Length 800 ft
 Current Plume Width 600 ft
 Number of Tail Wells 16
 Number of Source Wells 9

Down-gradient Information

Distance from Edge of Tail to Nearest
 Down-gradient receptor 200 ft
 Down-gradient property 200 ft
 Distance from Source to Nearest
 Down-gradient receptor 100 ft
 Down-gradient property 100 ft

Source Information

Source Treatment Excavation

NAPL is not observed at this site

Data Consolidation Assumptions

Time Period. 6/26/2003 to 9/15/2008
 Consolidation Period No Time Consolidation
 Consolidation Type Median
 Duplicate Consolidation Average
 ND Values. 1/2 Detection Limit
 J Flag Values Actual Value

Plume Information Weighting Assumptions

Consolidation Step 1 Weight Plume Information by Chemical
 Summary Weighting Weighting Applied to All Chemicals Equally
 Consolidation Step 2 Weight Well Information by Chemical
 Well Weighting No Weighting of Wells was Applied.
 Chemical Weighting No Weighting of Chemicals was Applied.

Note These assumptions were made when consolidating the historical monitoring data and lumping the Wells and COCs

1. Compliance Monitoring/Remediation Optimization Results:

Preliminary Monitoring System Optimization Results Based on site classification, source treatment and Monitoring System Category the following suggestions are made for site Sampling Frequency, Duration of Sampling before reassessment, and Well Density These criteria take into consideration Plume Stability Type of Plume, and Groundwater Velocity

COC	Tail Stability	Source Stability	Level of Effort	Sampling Duration	Sampling Frequency	Sampling Density
ALPHA BHC (ALPHA HFXACHT OROCYCI OHXANFI)	S	S	M	Remove treatment system if previously reducing concentration or PRG met	No Recommendation	23
ARSENIC	NT	S	M	Remove treatment system if previously reducing concentration or PRG met.	No Recommendation	23
DINOSEB	NT	NT	E	Remove treatment system if previously reducing concentration or PRG met.	No Recommendation	23
TRICHLOROETHYLENE (TCE)	S	S	M	Remove treatment system if previously reducing concentration or PRG met	No Recommendation	23

Note

Plume Status (I) Increasing, (PI) Probably Increasing, (S) Stable, (NT) No Trend, (PD) Probably Decreasing, (D) Decreasing

Design Categories (E) Extensive, (M) Moderate, (L) Limited (N/A) Not Applicable, Insufficient Data Available

Level of Monitoring Effort Indicated by Analysis | Extensive

2. Spatial Moment Analysis Results.

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence in Trend	Moment Trend
Zeroth Moment: Mass					
	ALPHA BHC (ALPHA HEXACHLOR)	1.03	0	45.2%	NT
	ARSENIC	0.76	0	45.2%	S
	DINOSEB	1.23	2	54.8%	NT
	TRICHLOROETHYLENE (TCE)	0.83	10	86.2%	NT
1st Moment: Distance to Source					
	ALPHA BHC (ALPHA HEXACHLOR)	0.18	-1	50.0%	S
	ARSENIC	0.21	12	91.1%	PI
	DINOSEB	0.49	5	71.9%	NT
	TRICHLOROETHYLENE (TCE)	0.31	10	86.2%	NT
2nd Moment: Sigma XX					
	ALPHA BHC (ALPHA HEXACHLOR)	0.49	5	71.9%	NT
	ARSENIC	0.44	14	94.6%	PI
	DINOSEB	0.42	7	80.9%	NT
	TRICHLOROETHYLENE (TCE)	0.41	2	54.8%	NT
2nd Moment: Sigma YY					
	ALPHA BHC (ALPHA HEXACHLOR)	0.43	9	88.1%	NT
	ARSENIC	0.33	16	96.9%	I
	DINOSEB	0.53	9	88.1%	NT
	TRICHLOROETHYLENE (TCE)	0.24	4	64.0%	NT

Note The following assumptions were applied for the calculation of the Zeroth Moment

Porosity: 0.35 Saturated Thickness: Uniform 100 ft

Mann-Kendall Trend test performed on all sample events for each constituent Increasing (I), Probably Increasing (PI), Stable (S), Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A) Due to insufficient Data (< 4 sampling events)

MAROS COC Assessment

Project Chemical Insecticide Corporation
Location Edison

User Name Lisa Tilton
State New Jersey

Toxicity

Contaminant of Concern	Representative Concentration (mg/L)	PRG (mg/L)	Percent Above PRG
TRICHLOROETHYLENE (TCE)	6.5E-02	1.0E-03	6373.3%
ARSENIC	1.1E-01	3.0E-03	3723.5%
ALPHA BHC (ALPHA HEXACHLOROCYCLO	7.0E-04	2.0E-05	3397.4%
DINOSEB	9.2E-03	7.0E-03	31.7%

Note Top COCs by toxicity were determined by examining a representative concentration for each compound over the entire site. The compound representative concentrations are then compared with the chosen PRG for that compound, with the percentage exceedence from the PRG determining the compound's toxicity. All compounds above exceed the PRG.

Prevalence

Contaminant of Concern	Class	Total Wells	Total Excedences	Percent Excedences	Total detects
TRICHLOROETHYLENE (TCE)	ORG	25	8	32.0%	14
ARSENIC	MET	25	7	28.0%	21
ALPHA BHC (ALPHA HEXACHLOROCYCLOH	ORG	25	7	28.0%	8
DINOSEB	ORG	25	2	8.0%	6

Note Top COCs by prevalence were determined by examining a representative concentration for each well location at the site. The total excedences (values above the chosen PRGs) are compared to the total number of wells to determine the prevalence of the compound.

Mobility

Contaminant of Concern	Kd
TRICHLOROETHYLENE (TCE)	0.297
DINOSEB	4.71
ALPHA BHC (ALPHA HEXACHLOROCYCLO	18.1
ARSENIC	25

Note Top COCs by mobility were determined by examining each detected compound in the dataset and comparing their mobilities (Koc's for organics assume fcc = 0.001 and Kd's for metals)

Contaminants of Concern (COC's)

ALPHA BHC (ALPHA HEXACHLOROCYCLO
 ARSENIC
 DINOSEB
 TRICHLOROETHYLENE (TCE)

MAROS Plume Analysis Summary

Project Chemical Insecticide Corporation
Location Edison

User Name Lisa Tilton
State New Jersey

Time Period 6/26/2003 to 9/15/2008

Consolidation Period No Time Consolidation

Consolidation Type Median

Duplicate Consolidation Average

ND Values 1/2 Detection Limit

J Flag Values Actual Value

Constituent	Well	Source/Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
ALPHA BHC (ALPHA HEXACHLOROCYCLOHE											
MW-4S	S	7	0	1.5E-05	2.4E-05	Yes	S	S	N/A	N/A	
BF 2D	S	7	7	4.7E 03	3.4E-03	No	S	S	N/A	N/A	
MW-4BR	S	7	0	1.5E-05	2.4E-05	Yes	S	S	N/A	N/A	
MW 5BR	S	5	5	1.0E-03	9.3E-04	No	D	D	N/A	N/A	
BF 2	S	7	7	1.0E 02	3.9E-03	No	D	D	N/A	N/A	
MW-6BR	S	5	5	1.0E-04	9.6E-05	No	S	PD	N/A	N/A	
NUS-2D	S	8	0	1.6E-05	2.4E-05	Yes	S	S	N/A	N/A	
NUS-3S	S	7	0	1.5E-05	2.5E-05	Yes	S	S	N/A	N/A	
NUS-3D	S	7	1	1.3E-05	7.2E-06	No	S	S	N/A	N/A	
MW 3BR	T	6	0	1.7E 05	2.5E-05	Yes	S	S	N/A	N/A	
MW-3S	T	6	0	1.7E-05	2.5E-05	Yes	S	S	N/A	N/A	
MW 1BRS	T	7	0	1.5E-05	2.5E-05	Yes	S	S	N/A	N/A	
MW 2BR	T	7	0	1.5E-05	2.4E-05	Yes	S	S	N/A	N/A	
MW-8BR	T	5	0	1.5E 05	2.5E-05	Yes	S	S	N/A	N/A	
MW 2I	T	7	0	1.5E 05	2.5E-05	Yes	S	S	N/A	N/A	
MW 7BR	T	5	0	1.6E-05	2.5E-05	Yes	S	S	N/A	N/A	
MW 2S	T	7	0	1.5E 05	2.4E-05	Yes	S	S	N/A	N/A	
OU	T	4	0	1.9E-05	2.5E-05	Yes	S	S	N/A	N/A	
QD	T	7	5	3.9E-05	3.8E-05	No	NT	PI	N/A	N/A	
BF-4	T	6	2	1.2E-03	2.5E-05	No	D	D	N/A	N/A	
GU	T	5	0	1.7E 05	2.4E-05	Yes	S	S	N/A	N/A	
MW 1BRD	T	7	0	1.7E-05	2.5E-05	Yes	S	S	N/A	N/A	

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

State New Jersey

Constituent	Well	Source/Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
ALPHA BHC (ALPHA HEXACHLOROCYCLOHE											
UU	T	6	0	1.7E 05	2.5E-05	Yes	PD	S	N/A	N/A	
BF-5	T	7	0	1.8E 05	2.4E-05	Yes	S	S	N/A	N/A	
FU	T	7	4	3.1E 05	3.2E-05	No	I	I	N/A	N/A	
ARSENIC											
MW-6BR	S	5	0	2.0E 03	9.5E-04	Yes	NT	NT	N/A	N/A	
NUS-2D	S	8	3	2.7E-03	2.2E-03	No	NT	NT	N/A	N/A	
MW 5BR	S	5	5	2.4E-01	2.5E-01	No	S	S	N/A	N/A	
BF 2D	S	7	6	1.7E-02	1.4E-02	No	PD	S	N/A	N/A	
MW-4BR	S	7	3	2.6E-03	2.4E-03	No	NT	NT	N/A	N/A	
NUS 3S	S	7	1	1.5E-03	5.0E-04	No	NT	NT	N/A	N/A	
MW-4S	S	7	1	2.2E-03	8.0E-04	No	NT	NT	N/A	N/A	
BF 2	S	7	7	2.6E+00	8.3E-01	No	PD	D	N/A	N/A	
NUS-3D	S	7	2	1.8E 03	1.4E-03	No	NT	NT	N/A	N/A	
MW 3BR	T	7	2	2.8E-03	3.5E-03	No	S	S	N/A	N/A	
MW 3S	T	7	2	2.4E-03	1.7E-03	No	S	NT	N/A	N/A	
BF-4	T	6	0	1.7E-03	6.5E-04	Yes	NT	P	N/A	N/A	
BF 5	T	7	0	1.7E-03	8.0E-04	Yes	NT	S	N/A	N/A	
MW 2I	T	7	3	2.1E 03	1.9E-03	No	NT	NT	N/A	N/A	
MW 2BR	T	8	5	3.1E-03	3.0E-03	No	I	I	N/A	N/A	
FU	T	7	1	1.7E-03	8.0E-04	No	NT	S	N/A	N/A	
MW 1BRS	T	8	0	1.6E 03	6.5E-04	Yes	NT	NT	N/A	N/A	
MW 1BRD	T	8	2	1.7E-03	1.8E-03	No	NT	S	N/A	N/A	
GU	T	6	2	3.0E-03	3.8E-03	No	NT	NT	N/A	N/A	
MW 2S	T	7	3	2.7E 03	2.1E-03	No	NT	NT	N/A	N/A	
MW-8BR	T	5	2	2.5E 03	2.7E-03	No	NT	NT	N/A	N/A	
MW-7BR	T	5	1	2.2E-03	1.7E-03	No	NT	NT	N/A	N/A	
OD	T	7	1	2.4E-03	1.7E-03	No	S	NT	N/A	N/A	
OU	T	4	2	4.4E-03	2.7E-03	No	NT	PD	N/A	N/A	
UU	T	7	5	6.7E 03	4.4E-03	No	S	S	N/A	N/A	
DINOSEB											
BF 2D	S	6	1	4.3E-04	3.7E-04	No	P	P	N/A	N/A	
MW-5BR	S	4	0	3.0E-04	2.5E-04	Yes	NT	NT	N/A	N/A	

Project Chemical Insecticide Corporation
Location Edison

User Name Lisa Tilton
State New Jersey

Constituent	Well	Source/ Tall	Number of Samples	Number of Dectcts	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann- Kendall	Linear Regression	Modeling	Empirical
DINOSEB											
BF 2	S	6	0	2.8E-04	2.5E-04	Yes	NT	NT	N/A	N/A	
MW-4S	S	5	0	2.8E-04	2.5E-04	Yes	NT	NT	N/A	N/A	
NUS-3S	S	5	0	2.3E 04	2.5E-04	Yes	NT	I	N/A	N/A	
MW-6BR	S	4	0	3.0E 04	2.5E-04	Yes	NT	NT	N/A	N/A	
NUS 2D	S	6	0	2.3E-04	2.5E-04	Yes	NT	NT	N/A	N/A	
NUS-3D	S	5	0	2.3E 04	2.5E-04	Yes	NT	I	N/A	N/A	
MW-4BR	S	5	0	2.3E-04	2.5E-04	Yes	NT	I	N/A	N/A	
MW 3S	T	6	0	2.9E-04	2.5E-04	Yes	NT	NT	N/A	N/A	
GU	T	5	1	3.5E-04	2.5E-04	No	NT	PI	N/A	N/A	
MW 1BRD	T	4	0	2.5E-04	2.5E-04	Yes	S	S	N/A	N/A	
FU	T	6	6	3.2E 03	3.6E-03	No	NT	S	N/A	N/A	
MW 1BRS	T	5	1	2.5E-04	2.5E-04	No	S	D	N/A	N/A	
OU	T	5	0	2.9E-04	2.5E-04	Yes	NT	NT	N/A	N/A	
BF-4	T	5	0	2.9E-04	2.5E-04	Yes	NT	NT	N/A	N/A	
QD	T	7	7	8.4E-03	7.1E-03	No	S	D	N/A	N/A	
UU	T	5	0	2.9E-04	2.5E-04	Yes	NT	NT	N/A	N/A	
BF 5	T	4	1	2.1E 01	1.4E-04	No	NT	PI	N/A	N/A	
MW 2S	T	6	0	2.7E 04	2.5E-04	Yes	PI	I	N/A	N/A	
MW-6BR	T	4	0	3.1E 04	2.5E-04	Yes	NT	NT	N/A	N/A	
MW 2BR	T	5	0	2.3E 04	2.5E-04	Yes	NT	I	N/A	N/A	
MW 3BR	T	6	0	2.9E 04	2.5E-04	Yes	NT	NT	N/A	N/A	
MW 7BR	T	4	0	3.1E-04	2.5E-04	Yes	NT	NT	N/A	N/A	
MW 2I	T	5	0	2.3E-04	2.5E-04	Yes	NT	I	N/A	N/A	
TRICHLOROETHYLENE (TCE)											
MW-4BR	S	7	0	3.6E 04	2.5E-04	Yes	PD	D	N/A	N/A	
BF 2	S	7	7	3.1E-03	2.8E-03	No	PD	D	N/A	N/A	
MW-4S	S	7	0	3.2E-04	2.5E-04	Yes	S	S	N/A	N/A	
BF 2D	S	7	7	3.6E 03	3.1E-03	No	S	S	N/A	N/A	
MW-5BR	S	5	0	2.5E-04	2.5E-04	Yes	S	S	N/A	N/A	
MW-6BR	S	4	4	8.8E 04	8.7E-04	No	NT	NT	N/A	N/A	
NUS-3S	S	7	0	3.2E-04	2.5E-04	Yes	S	S	N/A	N/A	
NUS-2D	S	7	1	3.7E 04	2.5E-04	No	S	S	N/A	N/A	
NUS-3D	S	7	0	3.2E 04	2.5E-04	Yes	S	S	N/A	N/A	

Project Chemical Insecticide Corporation User Name Lisa Tilton
 Location Edison State New Jersey

Constituent	Well	Source/Tail	Number of Samples	Number of Detects	Average (mg/L)	Median (mg/L)	All Samples "ND" ?	Mann-Kendall	Linear Regression	Modeling	Empirical
TRICHLOROETHYLENE (TCE)											
GU	T	S/T	6	1	6.1E-04	3.8E-04	No	NT	NT	N/A	N/A
MW-8BR	T	S/T	5	5	4.5E-02	3.9E-02	No	S	S	N/A	N/A
MW 3S	T	S/T	6	0	3.3E 04	2.5E-04	Yes	S	D	N/A	N/A
MW 2BR	T	S/T	8	0	3.4E 04	2.5E-04	Yes	S	PD	N/A	N/A
UU	T	S/T	7	7	2.7E 03	2.4E-03	No	D	D	N/A	N/A
QD	T	S/T	6	6	2.1E-03	1.9E-03	No	S	NT	N/A	N/A
BF-5	T	S/T	6	6	1.6E+00	1.6E+00	No	S	S	N/A	N/A
MW-3BR	T	S/T	7	1	3.4E-04	2.5E-04	No	S	S	N/A	N/A
MW 2I	T	S/T	7	0	3.2E-04	2.5E-04	Yes	S	S	N/A	N/A
BF-4	T	S/T	6	1	1.0E-03	3.8E-04	No	NT	NT	N/A	N/A
OU	T	S/T	3	0	2.5E-04	2.5E-04	Yes	N/A	N/A	N/A	N/A
MW 2S	T	S/T	7	0	3.2E-04	2.5E-04	Yes	S	S	N/A	N/A
MW 1BRD	T	S/T	8	0	3.4E-04	2.5E-04	Yes	S	PD	N/A	N/A
FU	T	S/T	6	1	3.1E-04	2.5E-04	No	S	S	N/A	N/A
MW 1BRS	T	S/T	8	2	3.3E 04	2.5E-04	No	S	S	N/A	N/A
MW 7BR	T	S/T	5	5	4.2E-03	4.5E-03	No	S	S	N/A	N/A

Note Increasing (I), Probably Increasing (PI), Stable (S), Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A) *Due to insufficient Data (< 4 sampling events) Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values

MAROS Statistical Trend Analysis Summary

Project: Chemical Insecticide Corporation
Location: Edison

User Name: Lisa Tilton
State: New Jersey

Time Period: 6/26/2003 to 9/15/2008

Consolidation Period: No Time Consolidation

Consolidation Type: Median

Duplicate Consolidation: Average

ND Values: 1/2 Detection Limit

J Flag Values: Actual Value

Well	Source/Tail	Number of Samples	Number of Detects	Average Conc (mg/L)	Median Conc. (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
ALPHA BHC (ALPHA HEXACHLOROCYCLOHE								
BF 2	S	7	7	1.0E-02	3.9E-03	No	D	D
BF 2D	S	7	7	4.7E-03	3.4E-03	No	S	S
BF-4	T	6	2	1.2E-03	2.5E-05	No	D	D
BF-5	T	7	0	1.8E-05	2.4E-05	Yes	S	S
FU	T	7	4	3.1E-05	3.2E-05	No	I	I
GU	T	5	0	1.7E-05	2.4E-05	Yes	S	S
MW-1BRD	T	7	0	1.7E-05	2.5E-05	Yes	S	S
MW 1BRS	T	7	0	1.5E-05	2.5E-05	Yes	S	S
MW-2BR	T	7	0	1.5E-05	2.4E-05	Yes	S	S
MW 2I	T	7	0	1.5E-05	2.5E-05	Yes	S	S
MW 2S	T	7	0	1.5E-05	2.4E-05	Yes	S	S
MW-3BR	T	6	0	1.7E-05	2.5E-05	Yes	S	S
MW 3S	T	6	0	1.7E-05	2.5E-05	Yes	S	S
MW-4BR	S	7	0	1.5E-05	2.4E-05	Yes	S	S
MW-4S	S	7	0	1.5E-05	2.4E-05	Yes	S	S
MW-5BR	S	5	5	1.0E-03	9.3E-04	No	D	D
MW-6BR	S	5	5	1.0E-04	9.6E-05	No	S	PD
MW 7BR	T	5	0	1.6E-05	2.5E-05	Yes	S	S
MW-8BR	T	5	0	1.5E-05	2.5E-05	Yes	S	S
NUS-2D	S	8	0	1.6E-05	2.4E-05	Yes	S	S
NUS-3D	S	7	1	1.3E-05	7.2E-06	No	S	S
NUS-3S	S	7	0	1.5E-05	2.5E-05	Yes	S	S
OU	T	4	0	1.9E-05	2.5E-05	Yes		
QD	T	7	5	3.9E-05	3.8E-05	No	NT	PI
UU	T	6	0	1.7E-05	2.5E-05	Yes	PD	S
ARSENIC								
BF-2	S	7	7	2.6E+00	8.3E-01	No	PD	D
BF 2D	S	7	6	1.7E-02	1.4E-02	No	PD	S
BF-4	T	6	0	1.7E-03	6.5E-04	Yes	NT	PI
BF 5	T	7	0	1.7E-03	8.0E-04	Yes	NT	S
FU	T	7	1	1.7E-03	8.0E-04	No	NT	S
GU	T	6	2	3.0E-03	3.8E-03	No	NT	NT
MW 1BRD	T	8	2	1.7E-03	1.8E-03	No	NT	S
MW 1BRS	T	8	0	1.6E-03	6.5E-04	Yes	NT	NT

MAROS Statistical Trend Analysis Summary

Well	Source/Tall	Number of Samples	Number of Detects	Average Conc (mg/L)	Median Conc. (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
ARSENIC								
MW-2BR	T	8	5	3.1E-03	3.0E-03	No	I	I
MW 2I	T	7	3	2.1E-03	1.9E-03	No	NT	NT
MW 2S	T	7	3	2.7E-03	2.1E-03	No	NT	NT
MW-3BR	T	7	2	2.8E-03	3.5E-03	No	S	S
MW-3S	T	7	2	2.4E-03	1.7E-03	No	S	NT
MW-4BR	S	7	3	2.6E-03	2.4E-03	No	NT	NT
MW-4S	S	7	1	2.2E-03	8.0E-04	No	NT	NT
MW-5BR	S	5	5	2.4E-01	2.5E-01	No	S	S
MW-6BR	S	5	0	2.0E-03	9.5E-04	Yes	NT	NT
MW 7BR	T	5	1	2.2E-03	1.7E-03	No	NT	NT
MW-8BR	T	5	2	2.5E-03	2.7E-03	No	NT	NT
NUS-2D	S	8	3	2.7E-03	2.2E-03	No	NT	NT
NUS-3D	S	7	2	1.8E-03	1.4E-03	No	NT	NT
NUS-3S	S	7	1	1.5E-03	5.0E-04	No	NT	NT
OU	T	4	2	4.4E-03	2.7E-03	No	NT	PD
QD	T	7	1	2.4E-03	1.7E-03	No	S	NT
UU	T	7	5	6.7E-03	4.4E-03	No	S	S
DINOSEB								
BF 2	S	6	0	2.8E-04	2.5E-04	Yes	NT	NT
BF 2D	S	6	1	4.3E-04	3.7E-04	No	PI	PI
BF-4	T	5	0	2.9E-04	2.5E-04	Yes	NT	NT
BF 5	T	4	1	2.1E-01	1.4E-04	No	NT	PI
FU	T	6	6	3.2E-03	3.6E-03	No	NT	S
GU	T	5	1	3.5E-04	2.5E-04	No	NT	PI
MW 1BRD	T	4	0	2.5E-04	2.5E-04	Yes	S	S
MW 1BRS	T	5	1	2.5E-04	2.5E-04	No	S	D
MW-2BR	T	5	0	2.3E-04	2.5E-04	Yes	NT	I
MW 2I	T	5	0	2.3E-04	2.5E-04	Yes	NT	I
MW 2S	T	6	0	2.7E-04	2.5E-04	Yes	PI	I
MW-3BR	T	6	0	2.9E-04	2.5E-04	Yes	NT	NT
MW-3S	T	6	0	2.9E-04	2.5E-04	Yes	NT	NT
MW-4BR	S	5	0	2.3E-04	2.5E-04	Yes	NT	I
MW-4S	S	5	0	2.8E-04	2.5E-04	Yes	NT	NT
MW-5BR	S	4	0	3.0E-04	2.5E-04	Yes	NT	NT
MW-6BR	S	4	0	3.0E-04	2.5E-04	Yes	NT	NT
MW-7BR	T	4	0	3.1E-04	2.5E-04	Yes	NT	NT
MW-8BR	T	4	0	3.1E-04	2.5E-04	Yes	NT	NT
NUS-2D	S	6	0	2.3E-04	2.5E-04	Yes	NT	NT
NUS-3D	S	5	0	2.3E-04	2.5E-04	Yes	NT	I
NUS-3S	S	5	0	2.3E-04	2.5E-04	Yes	NT	I
OU	T	5	0	2.9E-04	2.5E-04	Yes	NT	NT
QD	T	7	7	8.4E-03	7.1E-03	No	S	D
UU	T	5	0	2.9E-04	2.5E-04	Yes	NT	NT
TRICHLOROETHYLENE (TCE)								

MAROS Statistical Trend Analysis Summary

Well	Source/Tail	Number of Samples	Number of Detects	Average Conc. (mg/L)	Median Conc (mg/L)	All Samples "ND" ?	Mann-Kendall Trend	Linear Regression Trend
TRICHLOROETHYLENE (TCE)								
BF-2	S	7	7	3.1E-03	2.8E-03	No	PD	D
BF 2D	S	7	7	3.6E-03	3.1E-03	No	S	S
BF-4	T	6	1	1.0E-03	3.8E-04	No	NT	NT
BF-5	T	6	6	1.6E+00	1.6E+00	No	S	S
FU	T	6	1	3.1E-04	2.5E-04	No	S	S
GU	T	6	1	6.1E-04	3.8E-04	No	NT	NT
MW 1BRD	T	8	0	3.4E-04	2.5E-04	Yes	S	PD
MW 1BRS	T	8	2	3.3E-04	2.5E-04	No	S	S
MW 2BR	T	8	0	3.4E-04	2.5E-04	Yes	S	PD
MW 2I	T	7	0	3.2E-04	2.5E-04	Yes	S	S
MW 2S	T	7	0	3.2E-04	2.5E-04	Yes	S	S
MW 3BR	T	7	1	3.4E-04	2.5E-04	No	S	S
MW-3S	T	6	0	3.3E-04	2.5E-04	Yes	S	D
MW-4BR	S	7	0	3.6E-04	2.5E-04	Yes	PD	D
MW-4S	S	7	0	3.2E-04	2.5E-04	Yes	S	S
MW-5BR	S	5	0	2.5E-04	2.5E-04	Yes	S	S
MW-6BR	S	4	4	8.8E-04	8.7E-04	No	NT	NT
MW-7BR	T	5	5	4.2E-03	4.5E-03	No	S	S
MW-8BR	T	5	5	4.5E-02	3.9E-02	No	S	S
NUS-2D	S	7	1	3.7E-04	2.5E-04	No	S	S
NUS-3D	S	7	0	3.2E-04	2.5E-04	Yes	S	S
NUS-3S	S	7	0	3.2E-04	2.5E-04	Yes	S	S
OU	T	3	0	2.5E-04	2.5E-04	Yes	N/A	N/A
QD	T	6	6	2.1E-03	1.9E-03	No	S	NT
UU	T	7	7	2.7E-03	2.4E-03	No	D	D

Note Increasing (I), Probably Increasing (PI), Stable (S), Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A), Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events), No Detectable Concentration (NDC)

The Number of Samples and Number of Detects shown above are post-consolidation values

MAROS Mann-Kendall Statistics Summary

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

State New Jersey

Time Period 6/26/2003 to 9/15/2008

Consolidation Period No Time Consolidation

Consolidation Type Median

Duplicate Consolidation Average

ND Values 1/2 Detection Limit

J Flag Values Actual Value

Well	Source/ Tall	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)								
MW-4S	S	7	0	0.79	-6	76.4%	Yes	S
BF 2D	S	7	7	0.47	7	80.9%	No	S
MW-4BR	S	7	0	0.79	-8	84.5%	Yes	S
MW 5BR	S	5	5	0.38	-8	95.8%	No	D
BF 2	S	7	7	1.61	15	98.5%	No	D
MW 6BR	S	5	5	0.42	-6	88.3%	No	S
NUS-2D	S	8	0	0.71	11	88.7%	Yes	S
NUS 3S	S	7	0	0.79	-4	66.7%	Yes	S
NUS-3D	S	7	1	0.90	7	80.9%	No	S
MW 3BR	T	6	0	0.72	7	86.4%	Yes	S
MW 3S	T	6	0	0.72	-6	81.5%	Yes	S
MW 1BRS	T	7	0	0.79	5	71.9%	Yes	S
MW 2BR	T	7	0	0.79	-8	84.5%	Yes	S
MW-8BR	T	5	0	0.84	5	82.1%	Yes	S
MW 2I	T	7	0	0.79	5	71.9%	Yes	S
MW 7BR	T	5	0	0.75	5	82.1%	Yes	S
MW 2S	T	7	0	0.79	-8	84.5%	Yes	S
OU	T	4	0	0.62	1	50.0%	Yes	S
QD	T	7	5	0.33	6	76.4%	No	NT
BF-4	T	6	2	1.55	12	98.2%	No	D
GU	T	5	0	0.59	-6	88.3%	Yes	S
MW 1BRD	T	7	0	0.63	3	61.4%	Yes	PD
UU	T	6	0	0.72	9	93.2%	Yes	S
BF 5	T	7	0	0.64	7	80.9%	Yes	I
FU	T	7	4	0.19	14	97.5%	No	I
ARSENIC								
MW 6BR	S	5	0	0.90	3	67.5%	Yes	NT
NUS 2D	S	8	3	0.56	7	76.4%	No	NT
MW 5BR	S	5	5	0.08	-4	75.8%	No	PD
BF-2D	S	7	6	0.42	11	93.2%	No	NT
MW 4BR	S	7	3	0.65	5	71.9%	No	NT
NUS-3S	S	7	1	1.13	5	71.9%	No	NT
MW-4S	S	7	1	0.91	3	61.4%	No	PD
BF 2	S	7	7	1.75	11	93.2%	No	NT
NUS-3D	S	7	2	0.84	4	66.7%	No	S
MW 3BR	T	7	2	0.63	0	43.7%	No	S
MW 3S	T	7	2	0.73	0	43.7%	No	S

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

State New Jersey

Well	Source/Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
ARSENIC								
BF-4	T	6	0	1.05	7	86.4%	Yes	NT
BF-5	T	7	0	0.96	3	61.4%	Yes	NT
MW 2I	T	7	3	0.67	8	84.5%	No	NT
MW 2BR	T	8	5	0.25	16	96.9%	No	I
FU	T	7	1	0.97	4	66.7%	No	NT
MW 1BRS	T	8	0	1.01	4	64.0%	Yes	NT
MW 1BRD	T	8	2	0.70	6	72.6%	No	NT
GU	T	6	2	0.60	2	57.0%	No	NT
MW 2S	T	7	3	0.61	4	66.7%	No	NT
MW 8BR	T	5	2	0.63	5	82.1%	No	NT
MW 7BR	T	5	1	0.80	3	67.5%	No	NT
QD	T	7	1	0.81	2	55.7%	No	S
OU	T	4	2	1.17	-4	83.3%	No	NT
UU	T	7	5	0.81	3	61.4%	No	S
DINOSEB								
BF 2D	S	6	1	0.58	9	93.2%	No	PI
MW-5BR	S	4	0	0.33	3	72.9%	Yes	NT
BF 2	S	6	0	0.29	5	76.5%	Yes	NT
MW-4S	S	5	0	0.48	3	67.5%	Yes	NT
NUS 3S	S	5	0	0.23	4	75.8%	Yes	NT
MW-6BR	S	4	0	0.35	3	72.9%	Yes	NT
NUS 2D	S	6	0	0.19	3	64.0%	Yes	NT
NUS 3D	S	5	0	0.19	4	75.8%	Yes	NT
MW-4BR	S	5	0	0.23	4	75.8%	Yes	NT
MW 3S	T	6	0	0.32	1	50.0%	Yes	NT
GU	T	5	1	0.42	5	82.1%	No	NT
MW 1BRD	T	4	0	0.00	0	37.5%	Yes	S
FU	T	6	6	0.34	1	50.0%	No	NT
MW 1BRS	T	5	1	0.02	-4	75.8%	No	S
OU	T	5	0	0.31	1	50.0%	Yes	NT
BF-4	T	5	0	0.31	4	75.8%	No	S
QD	T	7	7	0.70	5	71.9%	Yes	NT
UU	T	5	0	0.32	4	75.8%	No	NT
BF 5	T	4	1	2.00	5	89.6%	No	NT
MW 2S	T	6	0	0.42	9	93.2%	Yes	PI
MW-8BR	T	4	0	0.39	3	72.9%	Yes	NT
MW 2BR	T	5	0	0.23	4	75.8%	Yes	NT
MW 3BR	T	6	0	0.32	1	50.0%	Yes	NT
MW 7BR	T	4	0	0.38	3	72.9%	Yes	NT
MW 2I	T	5	0	0.23	4	75.8%	Yes	NT
TRICHLOROETHYLENE (TCE)								
MW-4BR	S	7	0	0.37	12	94.9%	Yes	PD
BF 2	S	7	7	0.23	12	94.9%	No	PD
MW-4S	S	7	0	0.38	-6	76.4%	Yes	S
BF 2D	S	7	7	0.69	5	71.9%	No	S
MW 5BR	S	5	0	0.00	0	40.8%	Yes	S
MW-6BR	S	4	4	0.22	2	62.5%	No	NT
NUS 3S	S	7	0	0.38	-6	76.4%	Yes	S

Project Chemical Insecticide Corporation
 Location Edison

User Name Lisa Tilton

State New Jersey

Well	Source/Tail	Number of Samples	Number of Detects	Coefficient of Variation	Mann-Kendall Statistic	Confidence in Trend	All Samples "ND" ?	Concentration Trend
TRICHLOROETHYLENE (TCE)								
NUS-2D	S	7	1	0.42	-4	66.7%	No	S
NUS 3D	S	7	0	0.38	-6	76.4%	Yes	S
GU	T	6	1	1.06	5	76.5%	No	NT
MW-8BR	T	5	5	0.49	-3	67.5%	No	S
MW 3S	T	6	0	0.39	-8	89.8%	Yes	S
MW 2BR	T	8	0	0.38	11	88.7%	Yes	S
UU	T	7	7	0.43	16	99.0%	No	D
QD	T	6	6	0.24	0	42.3%	No	S
BF-5	T	6	6	0.12	1	50.0%	No	S
MW 3BR	T	7	1	0.48	9	88.1%	No	S
MW 2I	T	7	0	0.38	-6	76.4%	Yes	S
BF-4	T	6	1	1.62	1	50.0%	No	NT
OU	T	3	0	0.00	0	0.0%	Yes	N/A
MW 2S	T	7	0	0.38	-6	76.4%	Yes	S
MW 1BRD	T	8	0	0.38	11	88.7%	Yes	S
FU	T	6	1	0.51	5	76.5%	No	S
MW 1BRS	T	8	2	0.45	-4	64.0%	No	S
MW 7BR	T	5	5	0.35	-4	75.8%	No	S

Note Increasing (I), Probably Increasing (PI), Stable (S), Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A)
 Due to insufficient Data (< 4 sampling events), Source/Tail (S/T)

The Number of Samples and Number of Detects shown above are post-consolidation values

MAROS Linear Regression Statistics Summary

Project Chemical Insecticide Corporation
Location Edison

User Name Lisa Tilton
State New Jersey

Time Period 6/26/2003 to 9/15/2008

Consolidation Period No Time Consolidation

Consolidation Type Median

Duplicate Consolidation Average

ND Values 1/2 Detection Limit

J Flag Values Actual Value

Well	Source/Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence In Trend	Concentration Trend
ALPHA BHC (ALPHA HEXACHLOROCYCLOH									
MW 5BR	S	1.0E-03	9.3E-04	3.9E-04	No	1.8E-03	0.38	98.5%	D
NUS-3D	S	1.3E-05	7.2E-06	1.1E-05	No	1.0E-03	0.90	72.4%	S
BF 2D	S	4.7E-03	3.4E-03	2.2E-03	No	2.0E-04	0.47	64.1%	S
NUS-2D	S	1.6E-05	2.4E-05	1.2E-05	Yes	7.6E-04	0.71	80.1%	S
MW-4BR	S	1.5E-05	2.4E-05	1.2E-05	Yes	-8.4E-04	0.79	67.9%	S
BF 2	S	1.0E-02	3.9E-03	1.6E-02	No	1.4E-03	1.61	100.0%	D
MW-4S	S	1.5E-05	2.4E-05	1.2E-05	Yes	8.3E-04	0.79	67.7%	S
NUS-3S	S	1.5E-05	2.5E-05	1.2E-05	Yes	-8.2E-04	0.79	67.4%	S
MW-6BR	S	1.0E-04	9.6E-05	4.3E-05	No	1.9E-03	0.42	91.1%	PD
MW 2BR	T	1.5E-05	2.4E-05	1.2E-05	Yes	-8.3E-04	0.79	67.8%	S
MW-3S	T	1.7E-05	2.5E-05	1.2E-05	Yes	-4.0E-03	0.72	89.3%	S
BF-4	T	1.2E-03	2.5E-05	1.9E-03	No	1.3E-02	1.55	99.6%	D
BF 5	T	1.8E-05	2.4E-05	1.2E-05	Yes	7.1E-04	0.64	75.8%	S
MW 7BR	T	1.6E-05	2.5E-05	1.2E-05	Yes	5.8E-03	0.75	89.7%	S
FU	T	3.1E-05	3.2E-05	6.0E-06	No	2.0E-04	0.19	95.2%	
MW 2S	T	1.5E-05	2.4E-05	1.2E-05	Yes	8.3E-04	0.79	67.7%	S
MW 1BRD	T	1.7E-05	2.5E-05	1.1E-05	Yes	2.5E-04	0.63	56.6%	S
MW 2I	T	1.5E-05	2.5E-05	1.2E-05	Yes	8.1E-04	0.79	67.3%	S
MW 1BRS	T	1.5E-05	2.5E-05	1.2E-05	Yes	-8.0E-04	0.79	67.2%	S
MW 3BR	T	1.7E-05	2.5E-05	1.2E-05	Yes	-4.0E-03	0.72	89.3%	S
QD	T	3.9E-05	3.8E-05	1.3E-05	No	3.1E-04	0.33	92.2%	PI
UU	T	1.7E-05	2.5E-05	1.2E-05	Yes	-4.0E-03	0.72	89.5%	S
MW-8BR	T	1.5E-05	2.5E-05	1.3E-05	Yes	-6.0E-03	0.84	85.2%	S
OU	T	1.9E-05	2.5E-05	1.2E-05	Yes	2.1E-03	0.62	66.5%	S
GU	T	1.7E-05	2.4E-05	1.0E-05	Yes	1.7E-03	0.59	63.4%	S
ARSENIC									
BF 2	S	2.6E+00	8.3E 01	4.5E+00	No	-1.5E-03	1.75	100.0%	D
BF 2D	S	1.7E-02	1.4E-02	6.9E-03	No	-6.0E-04	0.42	88.8%	S
MW-4BR	S	2.6E-03	2.4E-03	1.7E-03	No	1.1E-03	0.65	88.4%	NT
NUS-3D	S	1.8E-03	1.4E-03	1.6E-03	No	4.1E-04	0.84	63.7%	NT
MW-4S	S	2.2E-03	8.0E-04	2.0E-03	No	1.3E-03	0.91	84.0%	NT
MW 5BR	S	2.4E-01	2.5E-01	2.0E-02	No	2.7E-04	0.08	81.8%	S
MW-6BR	S	2.0E-03	9.5E-04	1.8E-03	Yes	3.1E-03	0.90	80.1%	NT
NUS-3S	S	1.5E-03	5.0E-04	1.7E-03	No	1.3E-03	1.13	85.1%	NT
NUS 2D	S	2.7E-03	2.2E-03	1.5E-03	No	3.9E-04	0.56	83.6%	NT
BF-5	T	1.7E-03	8.0E-04	1.6E-03	Yes	3.5E-05	0.96	51.9%	S
BF-4	T	1.7E-03	6.5E-04	1.8E-03	Yes	2.9E-03	1.05	90.6%	PI
GU	T	3.0E-03	3.8E-03	1.8E-03	No	2.0E-03	0.60	88.7%	NT

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

State New Jersey

Well	Source/ Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence In Trend	Concentration Trend
ARSENIC									
MW 1BRD	T	1.7E-03	1.8E-03	1.2E-03	No	1.1E-04	0.70	58.2%	S
MW-1BRS	T	1.6E-03	6.5E-04	1.6E-03	Yes	1.1E-04	1.01	56.7%	NT
FU	T	1.7E-03	8.0E-04	1.6E-03	No	-4.8E-05	0.97	52.6%	S
OU	T	4.4E-03	2.7E-03	5.2E-03	No	1.3E-03	1.17	90.2%	PD
MW-2BR	T	3.1E-03	3.0E-03	7.9E-04	No	3.9E-04	0.25	99.7%	I
UU	T	6.7E-03	4.4E-03	5.4E-03	No	1.0E-04	0.81	56.2%	S
MW-3S	T	2.4E-03	1.7E-03	1.7E-03	No	1.1E-04	0.73	57.1%	NT
QD	T	2.4E-03	1.7E-03	1.9E-03	No	5.4E-05	0.81	53.0%	NT
MW 2I	T	2.1E-03	1.9E-03	1.4E-03	No	7.3E-04	0.67	75.7%	NT
MW 7BR	T	2.2E-03	1.7E-03	1.7E-03	No	2.6E-03	0.80	76.5%	NT
MW 2S	T	2.7E-03	2.1E-03	1.6E-03	No	2.4E-04	0.61	59.5%	NT
MW-3BR	T	2.8E-03	3.5E-03	1.8E-03	No	2.3E-04	0.63	64.3%	S
MW-8BR	T	2.5E-03	2.7E-03	1.6E-03	No	3.0E-03	0.63	85.5%	NT
DINOSEB									
NUS-3S	S	2.3E-04	2.5E-04	5.1E-05	Yes	6.8E-04	0.23	97.3%	I
NUS-3D	S	2.3E-04	2.5E-04	4.5E-05	Yes	5.6E-04	0.19	97.3%	I
NUS 2D	S	2.3E-04	2.5E-04	4.5E-05	Yes	8.7E-05	0.19	67.6%	NT
MW-6BR	S	3.0E-04	2.5E-04	1.1E-04	Yes	1.5E-03	0.35	85.1%	NT
MW-4S	S	2.8E-04	2.5E-04	1.3E-04	Yes	8.1E-04	0.48	86.7%	NT
MW-4BR	S	2.3E-04	2.5E-04	5.1E-05	Yes	6.8E-04	0.23	97.3%	I
BF-2D	S	4.3E-04	3.7E-04	2.5E-04	No	1.4E-03	0.58	91.8%	PI
BF 2	S	2.8E-04	2.5E-04	8.4E-05	Yes	1.3E-04	0.29	75.6%	NT
MW 5BR	S	3.0E-04	2.5E-04	1.0E-04	Yes	1.5E-03	0.33	85.1%	NT
QD	T	8.4E-03	7.1E-03	5.9E-03	No	7.1E-04	0.70	98.0%	D
OU	T	2.9E-04	2.5E-04	9.1E-05	Yes	1.3E-04	0.31	72.5%	NT
MW 7BR	T	3.1E-04	2.5E-04	1.2E-04	Yes	1.7E-03	0.38	85.1%	NT
FU	T	3.2E-03	3.6E-03	1.1E-03	No	7.7E-05	0.34	57.8%	S
MW 1BRD	T	2.5E-04	2.5E-04	0.0E-00	Yes	0.0E-00	0.00	100.0%	S
GU	T	3.5E-04	2.5E-04	1.5E-04	No	1.4E-03	0.42	92.3%	PI
MW-2I	T	2.3E-04	2.5E-04	5.1E-05	Yes	6.8E-04	0.23	97.3%	I
MW 2S	T	2.7E-04	2.5E-04	1.1E-04	Yes	9.4E-04	0.42	98.3%	I
MW-8BR	T	3.1E-04	2.5E-04	1.2E-04	Yes	1.7E-03	0.39	85.1%	NT
MW-3S	T	2.9E-04	2.5E-04	9.5E-05	Yes	9.8E-05	0.32	68.3%	NT
MW 2BR	T	2.3E-04	2.5E-04	5.1E-05	Yes	6.8E-04	0.23	97.3%	I
BF-5	T	2.1E-01	1.4E-04	4.3E-01	No	2.9E-02	2.00	90.5%	PI
MW 1BRS	T	2.5E-04	2.5E-04	4.5E-06	No	4.3E-05	0.02	97.3%	D
MW-3BR	T	2.9E-04	2.5E-04	9.3E-05	Yes	1.2E-04	0.32	72.0%	NT
BF-4	T	2.9E-04	2.5E-04	8.9E-05	Yes	7.2E-04	0.31	85.3%	NT
UU	T	2.9E-04	2.5E-04	9.4E-05	Yes	7.5E-04	0.32	85.3%	NT
TRICHLOROETHYLENE (TCE)									
BF-2	S	3.1E-03	2.8E-03	7.1E-04	No	2.7E-04	0.23	98.4%	D
MW-4BR	S	3.6E-04	2.5E-04	1.3E-04	Yes	-8.3E-04	0.37	98.9%	D
MW-4S	S	3.2E-04	2.5E-04	1.2E-04	Yes	2.5E-04	0.38	72.4%	S
BF 2D	S	3.6E-03	3.1E-03	2.5E-03	No	2.7E-04	0.69	61.5%	S
NUS-2D	S	3.7E-04	2.5E-04	1.6E-04	No	1.4E-04	0.42	60.4%	S
NUS-3S	S	3.2E-04	2.5E-04	1.2E-04	Yes	2.5E-04	0.38	72.4%	S
MW-8BR	S	8.8E-04	8.7E-04	1.9E-04	No	6.5E-04	0.22	67.1%	NT
NUS 3D	S	3.2E-04	2.5E-04	1.2E-04	Yes	2.5E-04	0.38	72.4%	S

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

State New Jersey

Well	Source/Tail	Average Conc (mg/L)	Median Conc (mg/L)	Standard Deviation	All Samples "ND" ?	Ln Slope	Coefficient of Variation	Confidence In Trend	Concentration Trend
TRICHLOROETHYLENE (TCE)									
MW 5BR	S	2.5E-04	2.5E-04	0.0E+00	Yes	0.0E+00	0.00	100.0%	S
BF-4	T	1.0E-03	3.8E-04	1.7E-03	No	1.5E-03	1.62	72.4%	NT
MW-3BR	T	3.4E-04	2.5E-04	1.6E-04	No	-4.7E-04	0.48	89.6%	S
BF 5	T	1.6E+00	1.6E+00	1.9E-01	No	8.7E-05	0.12	62.3%	S
QD	T	2.1E-03	1.9E-03	4.8E-04	No	3.8E-04	0.24	79.6%	NT
MW 1BRD	T	3.4E-04	2.5E-04	1.3E-04	Yes	3.0E-04	0.38	91.7%	PD
MW-1BRS	T	3.3E-04	2.5E-04	1.5E-04	No	2.5E-04	0.45	80.4%	S
MW 2I	T	3.2E-04	2.5E-04	1.2E-04	Yes	2.5E-04	0.38	72.4%	S
MW 7BR	T	4.2E-03	4.5E-03	1.5E-03	No	1.5E-03	0.35	87.1%	S
OU	T	2.5E-04	2.5E-04	0.0E+00	Yes	0.0E+00	0.00	0.0%	N/A
GU	T	6.1E-04	3.8E-04	6.4E-04	No	-6.6E-04	1.06	64.5%	NT
FU	T	3.1E-04	2.5E-04	1.6E-04	No	-1.3E-03	0.51	86.9%	S
UU	T	2.7E-03	2.4E-03	1.2E-03	No	5.5E-04	0.43	98.9%	D
MW-8BR	T	4.5E-02	3.9E-02	2.2E-02	No	1.7E-03	0.49	87.4%	S
MW 2S	T	3.2E-04	2.5E-04	1.2E-04	Yes	2.5E-04	0.38	72.4%	S
MW 3S	T	3.3E-04	2.5E-04	1.3E-04	Yes	1.3E-03	0.39	98.8%	D
MW 2BR	T	3.4E-04	2.5E-04	1.3E-04	Yes	3.0E-04	0.38	91.7%	PD

Note Increasing (I), Probably Increasing (PI), Stable (S) Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events) COV = Coefficient of Variation

MAROS Spatial Moment Analysis Summary

Project
Location

User Name

State

Effective Date	Estimated Mass (Kg)	0th Moment		1st Moment (Center of Mass)		2nd Moment (Spread)		Number of Wells
		Xc (ft)	Yc (ft)	Source Distance (ft)	Sigma XX (sq ft)	Sigma YY (sq ft)		
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)								
6/26/2003	0 0E+00							5
10/18/2005	3 6E-02	528 920	617 295	246	62,809	39 068	11	
12/18/2006	3 8E-01	529,286	617 173	437	130 037	48 017	20	
7/25/2007	2 6E-01	529 195	617 253	385	100 486	45 411	24	
12/18/2007	1 5E-01	529,182	617,222	358	207 317	90,720	25	
3/24/2008	4.5E-02	529 178	617 252	370	107 304	46 479	25	
6/16/2008	1 1E-01	529 229	617 201	392	238 332	102 383	25	
9/15/2008	3 7E-02	529 106	617 223	294	82 533	46 983	24	
ARSENIC								
6/26/2003	2.4E+01	529 350	617 158	495	91 995	67 152	12	
10/18/2005	3 2E+00	528 954	617 283	245	66 640	38 019	11	
12/18/2006	6 7E+00	529 351	617 053	485	198,747	79 165	20	
7/25/2007	5 3E+00	529 422	617 085	557	333 388	132,344	24	
12/18/2007	5.7E+00	529 320	617 214	481	210 905	104,684	25	
3/24/2008	1 3E+01	529 396	617 132	536	247 020	114 570	25	
6/16/2008	3 9E+00	529,350	617 208	508	198 785	106 466	25	
9/15/2008	1 3E+01	529 427	617 101	563	268 125	119 623	24	
DINOSEB								
6/26/2003	8 0E-01	529 613	616 811	786	145 972	25 576	7	
10/18/2005	1 4E-01	528 928	617 304	258	62,597	15 397	9	
12/18/2006	1 1E+00	529 513	616 874	672	208 362	83 487	20	
7/25/2007	6 3E-01	529 355	616 968	496	203 935	92 963	24	
12/18/2007	6 0E-01	529 364	616 971	505	225 791	100 487	25	
3/24/2008	7 4E-01	529 441	616 979	580	272,461	98 981	25	
6/16/2008	3 8E+00	530 115	616 837	1,268	108 935	53 882	16	
9/15/2008	0 0E+00						2	
TRICHLOROETHYLENE (TCE)								
6/26/2003	1 5E+00	529,853	617 010	988	117 140	49 804	6	
10/18/2005	4 4E-01	528,897	617 293	241	62 898	37 283	11	
12/18/2006	8 8E+00	529 999	616 797	1 162	237 176	76,905	20	
7/25/2007	1 9E+01	529 954	616 707	1 142	129 906	43 648	23	
12/18/2007	5 4E+00	529 907	616 790	1 074	231 341	69 874	25	
3/24/2008	6 0E+00	529 982	616 783	1 148	197 357	62 335	25	
6/16/2008	5 5E+00	529,956	616 788	1 122	215 201	66 544	25	
9/15/2008	1 4E+01	529 968	616 728	1 149	104 105	51 188	24	

Project **User Name**
Location **State**

Moment Type	Constituent	Coefficient of Variation	Mann-Kendall S Statistic	Confidence In Trend	Moment Trend
Zeroth Moment Mass					
	ALPHA BHC (ALPHA HEXACHLOR)	1.03	0	45.2%	NT
	ARSENIC	0.76	0	45.2%	S
	DINOSEB	1.23	-2	54.8%	NT
	TRICHLOROETHYLENE (TCE)	0.83	10	86.2%	NT
1st Moment Distance to Source					
	ALPHA BHC (ALPHA HEXACHLOR)	0.18	1	50.0%	S
	ARSENIC	0.21	12	91.1%	PI
	DINOSEB	0.49	5	71.9%	NT
	TRICHLOROETHYLENE (TCE)	0.31	10	86.2%	NT
2nd Moment Sigma XX					
	ALPHA BHC (ALPHA HEXACHLOR)	0.49	5	71.9%	NT
	ARSENIC	0.44	14	94.6%	PI
	DINOSEB	0.42	7	80.9%	NT
	TRICHLOROETHYLENE (TCE)	0.41	2	54.8%	NT
2nd Moment Sigma YY					
	ALPHA BHC (ALPHA HEXACHLOR)	0.43	9	88.1%	NT
	ARSENIC	0.33	16	96.9%	I
	DINOSEB	0.53	9	88.1%	NT
	TRICHLOROETHYLENE (TCE)	0.24	4	64.0%	NT

Note The following assumptions were applied for the calculation of the Zeroth Moment

Porosity 0.35 Saturated Thickness Uniform 100 ft

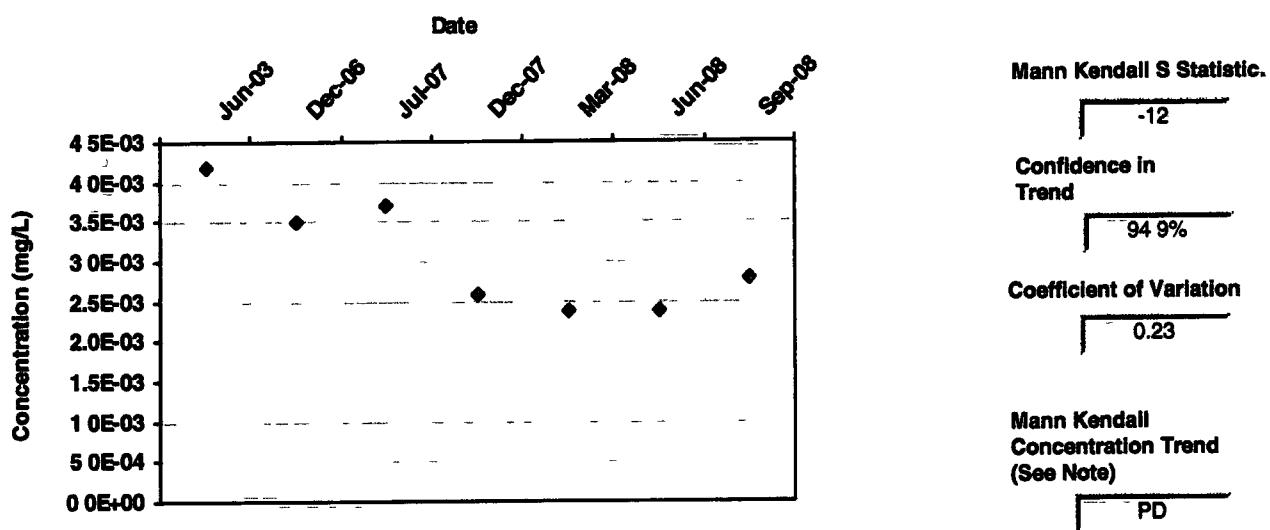
Mann Kendall Trend test performed on all sample events for each constituent Increasing (I), Probably Increasing (PI), Stable (S), Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A)-Due to insufficient Data (< 4 sampling events)

Note The Sigma XX and Sigma YY components are estimated using the given field coordinate system and then rotated to align with the estimated groundwater flow direction Moments are not calculated for sample events with less than 6 wells

MAROS Mann-Kendall Statistics Summary

Well BF-2
 Well Type S
 COC TRICHLOROETHYLENE (TCE)

Time Period 6/26/2003 to 9/15/2008
 Consolidation Period No Time Consolidation
 Consolidation Type Median
 Duplicate Consolidation Average
 ND Values 1/2 Detection Limit
 J Flag Values Actual Value



Data Table:

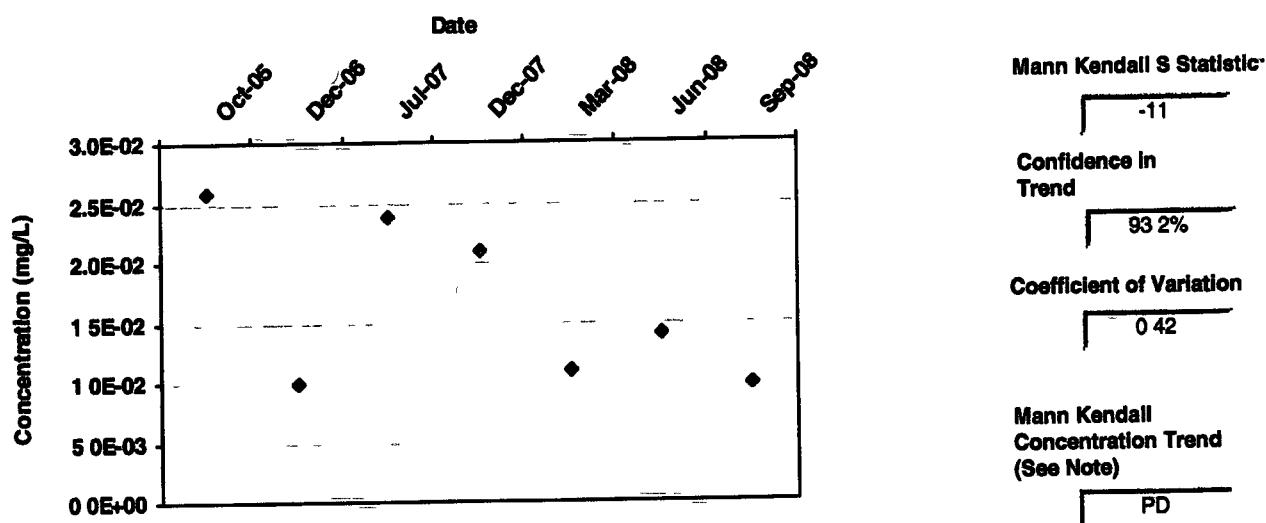
Well	Well Type	Effective Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
BF 2	S	6/26/2003	TRICHLOROETHYLENE (TCE)	4.2E-03		1	1
BF 2	S	12/18/2006	TRICHLOROETHYLENE (TCE)	3.5E-03		1	1
BF 2	S	7/25/2007	TRICHLOROETHYLENE (TCE)	3.7E-03		1	1
BF 2	S	12/18/2007	TRICHLOROETHYLENE (TCE)	2.6E-03		1	1
BF-2	S	3/24/2008	TRICHLOROETHYLENE (TCE)	2.4E-03		1	1
BF 2	S	6/16/2008	TRICHLOROETHYLENE (TCE)	2.4E-03		1	1
BF-2	S	9/15/2008	TRICHLOROETHYLENE (TCE)	2.8E-03		1	1

Note Increasing (I), Probably Increasing (PI), Stable (S), Probably Decreasing (PD>) Decreasing (D), No Trend (NT), Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events), ND = Non-detect

MAROS Mann-Kendall Statistics Summary

Well BF-2D
 Well Type S
 COC ARSENIC

Time Period 6/26/2003 to 9/15/2008
 Consolidation Period No Time Consolidation
 Consolidation Type Median
 Duplicate Consolidation Average
 ND Values 1/2 Detection Limit
 J Flag Values Actual Value



Data Table:

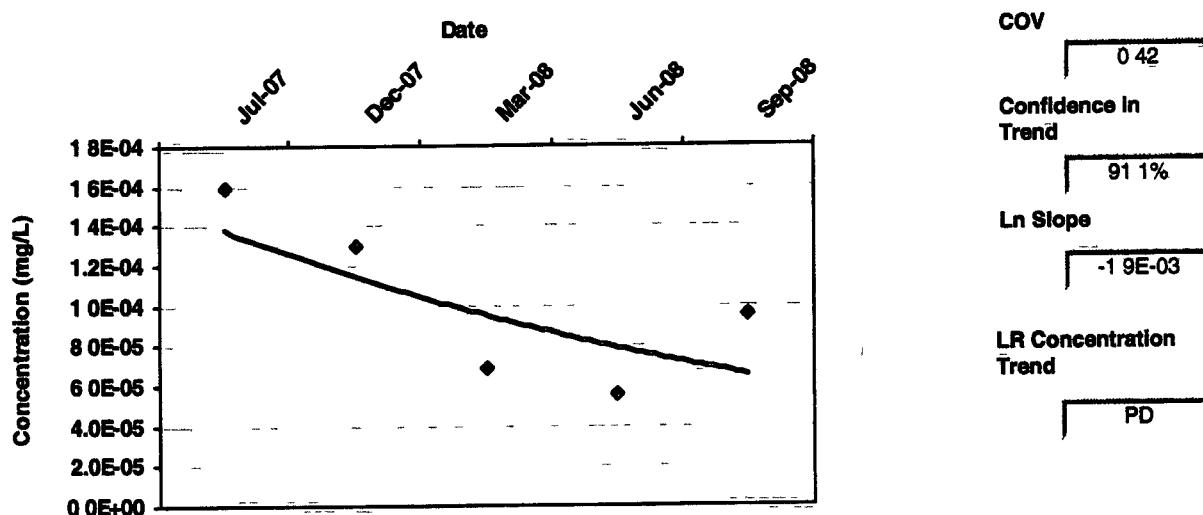
Well	Well Type	Effective Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
BF 2D	S	10/18/2005	ARSENIC	2.6E-02		1	1
BF 2D	S	12/18/2006	ARSENIC	1.0E-02	ND	1	0
BF 2D	S	7/25/2007	ARSENIC	2.4E-02		1	1
BF 2D	S	12/18/2007	ARSENIC	2.1E-02		1	1
BF-2D	S	3/24/2008	ARSENIC	1.1E-02		1	1
BF 2D	S	6/16/2008	ARSENIC	1.4E-02		1	1
BF-2D	S	9/15/2008	ARSENIC	9.9E-03		1	1

Note Increasing (I), Probably Increasing (PI) Stable (S), Probably Decreasing (PD), Decreasing (D) No Trend (NT), Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events), ND = Non-detect

MAROS Linear Regression Statistics

Well MW-6BR
 Well Type S
 COC ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)

Time Period 6/26/2003 to 9/15/2008
 Consolidation Period No Time Consolidation
 Consolidation Type Median
 Duplicate Consolidation Average
 ND Values 1/2 Detection Limit
 J Flag Values Actual Value



Consolidation Data Table:

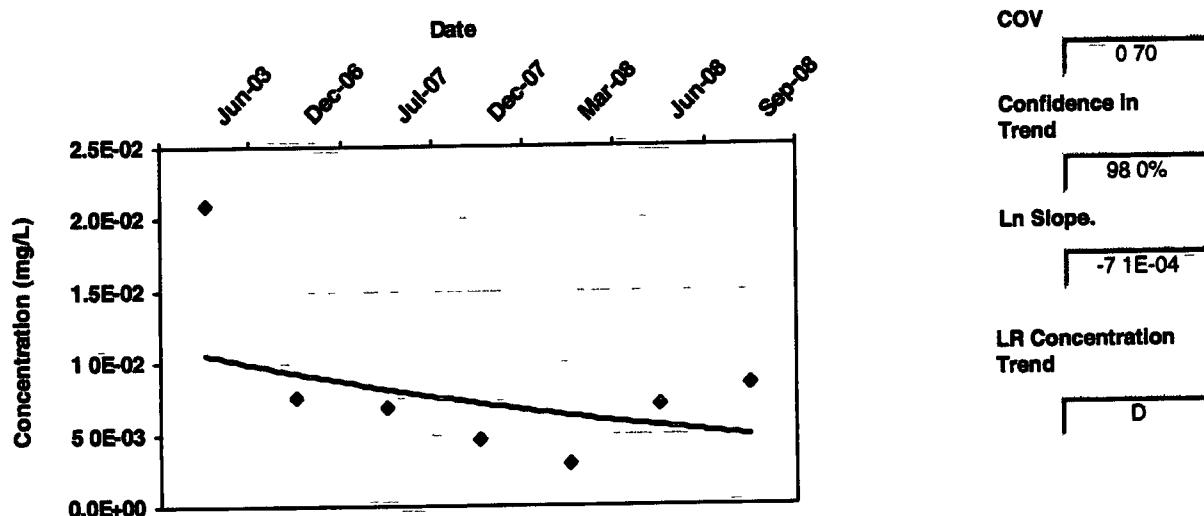
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW 6BR	S	7/25/2007	ALPHA BHC (ALPHA HEXACHLO)	1.6E-04		1	1
MW-6BR	S	12/18/2007	ALPHA BHC (ALPHA HEXACHLO)	1.3E-04		1	1
MW-6BR	S	3/24/2008	ALPHA BHC (ALPHA HEXACHLO)	6.9E-05		1	1
MW-6BR	S	6/16/2008	ALPHA BHC (ALPHA HEXACHLO)	5.6E-05		1	1
MW-6BR	S	9/15/2008	ALPHA BHC (ALPHA HEXACHLO)	9.6E-05		1	1

Note Increasing (I) Probably Increasing (PI), Stable (S) Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events), ND = All Samples are Non-detect

MAROS Linear Regression Statistics

Well QD
Well Type. T
COC DINOSEB

Time Period 6/26/2003 to 9/15/2008
Consolidation Period. No Time Consolidation
Consolidation Type Median
Duplicate Consolidation Average
ND Values 1/2 Detection Limit
J Flag Values Actual Value



Consolidation Data Table:

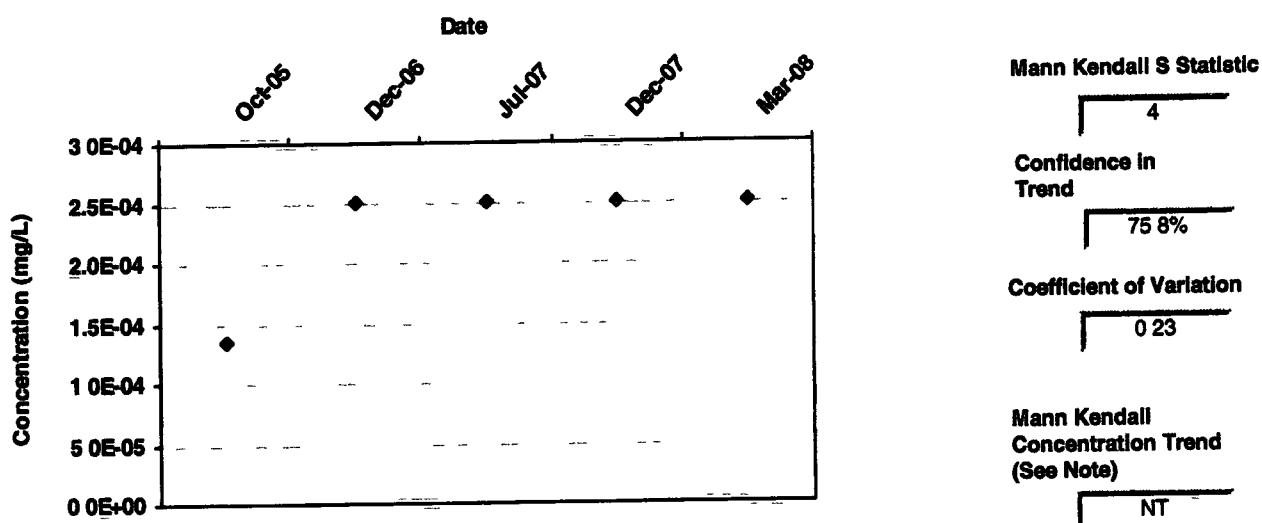
Well	Well Type	Consolidation Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
QD	T	6/26/2003	DINOSEB	2.1E-02		1	1
QD	T	12/18/2006	DINOSEB	7.6E-03		1	1
QD	T	7/25/2007	DINOSEB	6.9E-03		1	1
QD	T	12/18/2007	DINOSEB	4.7E-03		1	1
QD	T	3/24/2008	DINOSEB	3.0E-03		1	1
QD	T	6/16/2008	DINOSEB	7.1E-03		1	1
QD	T	9/15/2008	DINOSEB	8.5E-03		1	1

Note Increasing (I), Probably Increasing (PI), Stable (S) Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events), ND = All Samples are Non-detect

MAROS Mann-Kendall Statistics Summary

Well MW-21
 Well Type T
 COC DINOSEB

Time Period 6/26/2003 to 9/15/2008
 Consolidation Period No Time Consolidation
 Consolidation Type Median
 Duplicate Consolidation Average
 ND Values 1/2 Detection Limit
 J Flag Values Actual Value



Data Table:

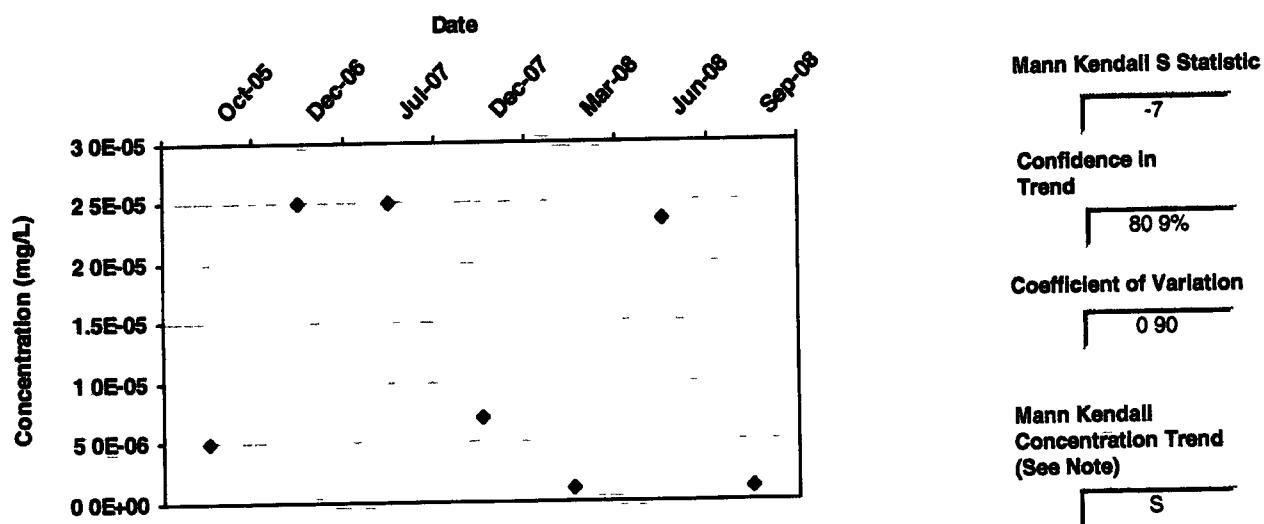
Well	Well Type	Effective Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
MW 21	T	10/18/2005	DINOSEB	1.4E-04	ND	1	0
MW 21	T	12/18/2006	DINOSEB	2.5E-04	ND	1	0
MW-21	T	7/25/2007	DINOSEB	2.5E-04	ND	1	0
MW 21	T	12/18/2007	DINOSEB	2.5E-04	ND	1	0
MW 21	T	3/24/2008	DINOSEB	2.5E-04	ND	1	0

Note Increasing (I) Probably Increasing (PI) Stable (S) Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A)
 Due to insufficient Data (< 4 sampling events) ND = Non-detect

MAROS Mann-Kendall Statistics Summary

Well NUS-3D
 Well Type S
 COC ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)

Time Period 6/26/2003 to 9/15/2008
 Consolidation Period No Time Consolidation
 Consolidation Type Median
 Duplicate Consolidation Average
 ND Values 1/2 Detection Limit
 J Flag Values Actual Value



Data Table:

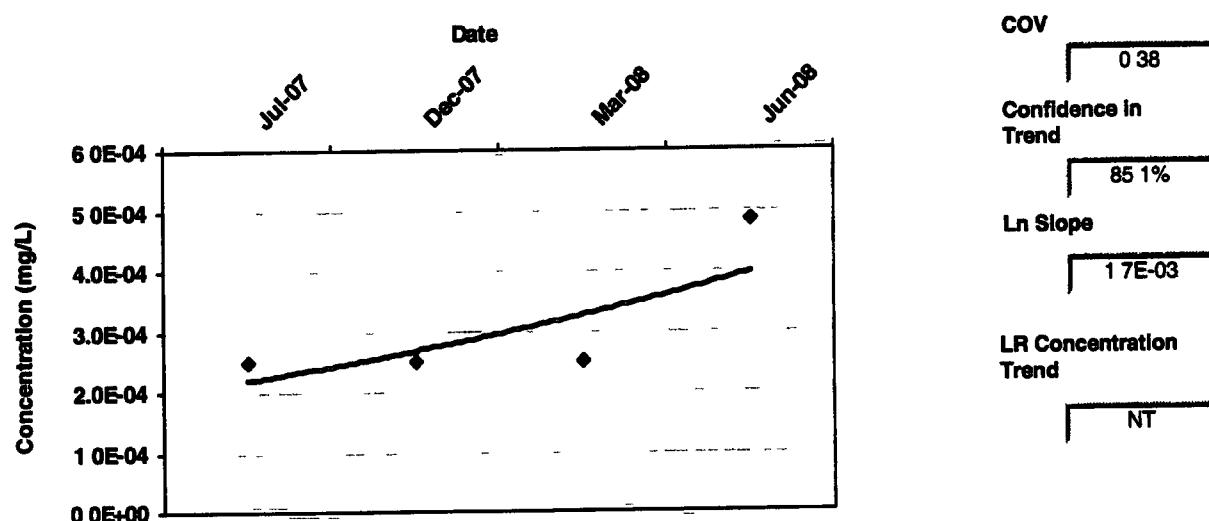
Well	Well Type	Effective Date	Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
NUS-3D	S	10/18/2005	ALPHA BHC (ALPHA HEXACHLO	5.0E-06	ND	1	0
NUS-3D	S	12/18/2006	ALPHA BHC (ALPHA HEXACHLO	2.5E-05	ND	1	0
NUS 3D	S	7/25/2007	ALPHA BHC (ALPHA HEXACHLO	2.5E-05	ND	1	0
NUS 3D	S	12/18/2007	ALPHA BHC (ALPHA HEXACHLO	7.2E-06	ND	1	1
NUS-3D	S	3/24/2008	ALPHA BHC (ALPHA HEXACHLO	1.2E-06	ND	1	0
NUS-3D	S	6/16/2008	ALPHA BHC (ALPHA HEXACHLO	2.4E-05	ND	1	0
NUS-3D	S	9/15/2008	ALPHA BHC (ALPHA HEXACHLO	1.2E-06	ND	1	0

Note. Increasing (I), Probably Increasing (PI), Stable (S), Probably Decreasing (PD), Decreasing (D), No Trend (NT), Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events), ND = Non-detect

MAROS Linear Regression Statistics

Well MW-7BR
 Well Type T
 COC DINOSEB

Time Period 6/26/2003 to 9/15/2008
 Consolidation Period No Time Consolidation
 Consolidation Type. Median
 Duplicate Consolidation Average
 ND Values 1/2 Detection Limit
 J Flag Values Actual Value



Consolidation Data Table:

Well	Well Type	Consolidation		Constituent	Result (mg/L)	Flag	Number of Samples	Number of Detects
		Date						
MW-7BR	T	7/25/2007		DINOSEB	2.5E-04	ND	1	0
MW 7BR	T	12/18/2007		DINOSEB	2.5E-04	ND	1	0
MW 7BR	T	3/24/2008		DINOSEB	2.5E-04	ND	1	0
MW 7BR	T	6/16/2008		DINOSEB	4.9E-04	ND	1	0

Note Increasing (I) Probably Increasing (PI) Stable (S) Probably Decreasing (PD), Decreasing (D), No Trend (NT) Not Applicable (N/A) - Due to insufficient Data (< 4 sampling events), ND = All Samples are Non-detect

**Attachment B –Well Redundancy
Analysis**

MAROS Sampling Location Optimization

Results by Considering All COCs

Project Chemical Insecticide Corporation **User Name** Lisa Tilton
Location Edison **State** New Jersey

Sampling Events Analyzed **From** 2005 **to** 5th Qtr LTM
 10/18/2005 9/15/2008

Well	X (feet)	Y (feet)	Number of COCs	COC-Averaged Slope Factor*	Abandoned?
BF 2	529088 81	617318 00	4	0 256	<input type="checkbox"/>
BF 2D	529046 38	617366 38	4	0 296	<input type="checkbox"/>
BF-4	529619 13	617180 50	4	0 374	<input type="checkbox"/>
BF 5	530061 19	616806 00	4	0 494	<input type="checkbox"/>
FU	529626 81	616815 38	4	0 440	<input type="checkbox"/>
GU	529627 50	617084 69	4	0 337	<input type="checkbox"/>
MW 1BRD	528988 69	617758 63	4	0 161	<input type="checkbox"/>
MW 1BRS	528979 38	617750 88	4	0 177	<input type="checkbox"/>
MW-2BR	529713 19	617522 13	4	0 071	<input type="checkbox"/>
MW 2I	529700 38	617510 31	4	0 089	<input type="checkbox"/>
MW-2S	529705 00	617515 38	4	0 064	<input type="checkbox"/>
MW-3BR	531000 69	616365 38	4	0 357	<input type="checkbox"/>
MW 3S	531004 31	616342 88	4	0 048	<input type="checkbox"/>
MW-4BR	528348 19	617588 63	4	0 122	<input type="checkbox"/>
MW-4S	528341 81	617603 19	4	0 068	<input type="checkbox"/>
MW 5BR	529113 88	617340 00	4	0 247	<input type="checkbox"/>
MW-6BR	529064 19	617054 38	4	0 253	<input type="checkbox"/>
MW-7BR	529631 50	616812 88	4	0 428	<input type="checkbox"/>
MW 8BR	530010 88	616453 31	4	0 282	<input type="checkbox"/>
NUS-2D	528866 19	616745 81	4	0 333	<input type="checkbox"/>
NUS 3D	528591 50	616683 50	4	0 080	<input type="checkbox"/>
NUS-3S	528598 88	616681 00	4	0 217	<input type="checkbox"/>
OU	530059 13	616797 38	4	0 434	<input type="checkbox"/>
QD	529370 63	616751 88	4	0 301	<input type="checkbox"/>
UU	530363 19	616309 50	4	0 248	<input type="checkbox"/>

Note the COC-Averaged Slope Factor is the value calculated by averaging those "Average Slope Factor" obtained earlier across COCs, to be conservative, a location is "abandoned" only when it is eliminated from all COCs "abandoned" doesn't necessarily mean the abandon of well it can mean that NO samples need to be collected for any COCs

* When the report is generated after running the Excel module SF values will NOT be shown above

MAROS Sampling Location Optimization Results

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

State New Jersey

Sampling Events Analyzed

From 2005

to 5th Qtr LTM

10/18/2005

9/15/2008

Parameters used

Constituent	Inside SF	Hull SF	Area Ratio	Conc. Ratio
ALPHA BHC (ALPHA HEXACHLO	0 1	0 01	0 95	0 95
ARSENIC	0 1	0 01	0 95	0 95
DINOSEB	0 1	0 01	0 95	0 95
TRICHLOROETHYLENE (TCE)	0 1	0 01	0 95	0 95

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)							
BF-2	529088 81	617318 00	<input checked="" type="checkbox"/>	0 144	0 077	0 189	<input type="checkbox"/>
BF-2D	529046 38	617366 38	<input checked="" type="checkbox"/>	0 299	0 204	0 802	<input type="checkbox"/>
BF-4	529619 13	617180 50	<input checked="" type="checkbox"/>	0 513	0 121	0 884	<input type="checkbox"/>
BF-5	530061 19	616806 00	<input checked="" type="checkbox"/>	0 432	0 000	0 953	<input type="checkbox"/>
FU	529626 81	616815 38	<input checked="" type="checkbox"/>	0 384	0 005	0 918	<input type="checkbox"/>
GU	529627 50	617084 69	<input checked="" type="checkbox"/>	0 399	0 075	0 929	<input type="checkbox"/>
MW-1BRD	528988 69	617758 63	<input checked="" type="checkbox"/>	0 306	0 071	0 745	<input type="checkbox"/>
MW-1BRS	528979 38	617750 88	<input checked="" type="checkbox"/>	0 296	0 048	0 898	<input type="checkbox"/>
MW-2BR	529713 19	617522 13	<input checked="" type="checkbox"/>	0 052	0 000	0 180	<input type="checkbox"/>
MW-2I	529700 38	617510 31	<input checked="" type="checkbox"/>	0 121	0 009	0 348	<input type="checkbox"/>
MW-2S	529705 00	617515 38	<input checked="" type="checkbox"/>	0 021	0 000	0 110	<input checked="" type="checkbox"/>
MW-3BR	531000 69	616365 38	<input checked="" type="checkbox"/>	0 242	0 006	0 843	<input type="checkbox"/>
MW-3S	531004 31	616342 88	<input checked="" type="checkbox"/>	0 001	0 000	0 006	<input checked="" type="checkbox"/>
MW-4BR	528348 19	617588 63	<input checked="" type="checkbox"/>	0 217	0 036	0 595	<input type="checkbox"/>
MW-4S	528341 81	617603 19	<input checked="" type="checkbox"/>	0 060	0 000	0 184	<input type="checkbox"/>
MW 5BR	529113 88	617340 00	<input checked="" type="checkbox"/>	0 078	0 051	0 116	<input checked="" type="checkbox"/>
MW 6BR	529064 19	617054 38	<input checked="" type="checkbox"/>	0 157	0 035	0 427	<input type="checkbox"/>
MW 7BR	529631 50	616812 88	<input checked="" type="checkbox"/>	0 359	0 006	0 949	<input type="checkbox"/>
MW-8BR	530010 88	616453 31	<input checked="" type="checkbox"/>	0 352	0 015	0 759	<input type="checkbox"/>
NUS 2D	528866 19	616745 81	<input checked="" type="checkbox"/>	0 461	0 031	0 893	<input type="checkbox"/>
NUS-3D	528591 50	616683 50	<input checked="" type="checkbox"/>	0 157	0 007	0 391	<input type="checkbox"/>
NUS-3S	528598 88	616681 00	<input checked="" type="checkbox"/>	0 022	0 000	0 055	<input type="checkbox"/>
OU	530059 13	616797 38	<input checked="" type="checkbox"/>	0 264	0 000	0 927	<input type="checkbox"/>
QD	529370 63	616751 88	<input checked="" type="checkbox"/>	0 297	0 046	0 639	<input type="checkbox"/>
UU	530363 19	616309 50	<input checked="" type="checkbox"/>	0 185	0 001	0 710	<input type="checkbox"/>

Project Chemical Insecticide Corporation
Location Edison

User Name Lisa Tilton
State New Jersey

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
ARSENIC							
BF-2	529088 81	617318 00	<input checked="" type="checkbox"/>	0 355	0 254	0 603	<input type="checkbox"/>
BF-2D	529046 38	617366 38	<input checked="" type="checkbox"/>	0 353	0 201	0 540	<input type="checkbox"/>
BF-4	529619 13	617180 50	<input checked="" type="checkbox"/>	0 375	0 206	0 603	<input type="checkbox"/>
BF-5	530061 19	616806 00	<input checked="" type="checkbox"/>	0 198	0 000	0 517	<input type="checkbox"/>
FU	529626 81	616815 38	<input checked="" type="checkbox"/>	0 152	0 000	0 478	<input type="checkbox"/>
GU	529627 50	617084 69	<input checked="" type="checkbox"/>	0 212	0 000	0 555	<input type="checkbox"/>
MW 1BRD	528988 69	617758 63	<input checked="" type="checkbox"/>	0 242	0 039	0 520	<input type="checkbox"/>
MW-1BRS	528979 38	617750 88	<input checked="" type="checkbox"/>	0 215	0 021	0 472	<input type="checkbox"/>
MW 2BR	529713 19	617522 13	<input checked="" type="checkbox"/>	0 162	0 000	0 364	<input type="checkbox"/>
MW-2I	529700 38	617510 31	<input checked="" type="checkbox"/>	0 223	0 020	0 632	<input type="checkbox"/>
MW-2S	529705 00	617515 38	<input checked="" type="checkbox"/>	0 173	0 000	0 476	<input type="checkbox"/>
MW-3BR	531000 69	616365 38	<input checked="" type="checkbox"/>	0 207	0 000	0 420	<input type="checkbox"/>
MW-3S	531004 31	616342 88	<input checked="" type="checkbox"/>	0 033	0 000	0 170	<input type="checkbox"/>
MW-4BR	528348 19	617588 63	<input checked="" type="checkbox"/>	0 140	0 013	0 368	<input type="checkbox"/>
MW-4S	528341 81	617603 19	<input checked="" type="checkbox"/>	0 141	0 000	0 383	<input type="checkbox"/>
MW 5BR	529113 88	617340 00	<input checked="" type="checkbox"/>	0 138	0 126	0 172	<input type="checkbox"/>
MW-6BR	529064 19	617054 38	<input checked="" type="checkbox"/>	0 589	0 535	0 655	<input type="checkbox"/>
MW 7BR	529631 50	616812 88	<input checked="" type="checkbox"/>	0 141	0 000	0 469	<input type="checkbox"/>
MW-8BR	530010 88	616453 31	<input checked="" type="checkbox"/>	0 174	0 000	0 373	<input type="checkbox"/>
NUS-2D	528866 19	616745 81	<input checked="" type="checkbox"/>	0 266	0 000	0 510	<input type="checkbox"/>
NUS-3D	528591 50	616683 50	<input checked="" type="checkbox"/>	0 122	0 000	0 475	<input type="checkbox"/>
NUS-3S	528598 88	616681 00	<input checked="" type="checkbox"/>	0 314	0 000	0 631	<input type="checkbox"/>
OU	530059 13	616797 38	<input checked="" type="checkbox"/>	0 123	0 000	0 343	<input type="checkbox"/>
QD	529370 63	616751 88	<input checked="" type="checkbox"/>	0 210	0 000	0 405	<input type="checkbox"/>
UU	530363 19	616309 50	<input checked="" type="checkbox"/>	0 308	0 000	0 548	<input type="checkbox"/>
DINOSEB							
BF-2	529088 81	617318 00	<input checked="" type="checkbox"/>	0 110	0 000	0 308	<input type="checkbox"/>
BF 2D	529046 38	617366 38	<input checked="" type="checkbox"/>	0 145	0 000	0 585	<input type="checkbox"/>
BF-4	529619 13	617180 50	<input checked="" type="checkbox"/>	0 141	0 000	0 321	<input type="checkbox"/>
BF-5	530061 19	616806 00	<input checked="" type="checkbox"/>	0 541	0 014	0 832	<input type="checkbox"/>
FU	529626 81	616815 38	<input checked="" type="checkbox"/>	0 489	0 303	0 732	<input type="checkbox"/>
GU	529627 50	617084 69	<input checked="" type="checkbox"/>	0 229	0 086	0 501	<input type="checkbox"/>
MW 1BRD	528988 69	617758 63	<input checked="" type="checkbox"/>	0 011	0 000	0 037	<input type="checkbox"/>
MW 1BRS	528979 38	617750 88	<input checked="" type="checkbox"/>	0 070	0 000	0 680	<input type="checkbox"/>
MW 2BR	529713 19	617522 13	<input checked="" type="checkbox"/>	0 005	0 000	0 029	<input checked="" type="checkbox"/>
MW 2I	529700 38	617510 31	<input checked="" type="checkbox"/>	0 001	0 000	0 014	<input checked="" type="checkbox"/>

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

State New Jersey

Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
MW 2S	529705 00	617515 38	<input checked="" type="checkbox"/>	0 060	0 000	0 443	<input type="checkbox"/>
MW-3BR	531000 69	616365 38	<input checked="" type="checkbox"/>	0 185	0 000	0 595	<input type="checkbox"/>
MW-3S	531004 31	616342 88	<input checked="" type="checkbox"/>	0 001	0 000	0 007	<input checked="" type="checkbox"/>
MW-4BR	528348 19	617588 63	<input checked="" type="checkbox"/>	0 050	0 000	0 166	<input checked="" type="checkbox"/>
MW-4S	528341 81	617603 19	<input checked="" type="checkbox"/>	0 042	0 000	0 177	<input type="checkbox"/>
MW-5BR	529113 88	617340 00	<input checked="" type="checkbox"/>	0 079	0 000	0 268	<input type="checkbox"/>
MW 6BR	529064 19	617054 38	<input checked="" type="checkbox"/>	0 195	0 095	0 363	<input type="checkbox"/>
MW-7BR	529631 50	616812 88	<input checked="" type="checkbox"/>	0 506	0 304	0 741	<input type="checkbox"/>
MW 8BR	530010 88	616453 31	<input checked="" type="checkbox"/>	0 127	0 040	0 270	<input type="checkbox"/>
NUS-2D	528866 19	616745 81	<input checked="" type="checkbox"/>	0 230	0 124	0 374	<input type="checkbox"/>
NUS-3D	528591 50	616683 50	<input checked="" type="checkbox"/>	0 022	0 000	0 257	<input type="checkbox"/>
NUS 3S	528598 88	616681 00	<input checked="" type="checkbox"/>	0 100	0 000	0 467	<input type="checkbox"/>
OU	530059 13	616797 38	<input checked="" type="checkbox"/>	0 446	0 000	0 824	<input type="checkbox"/>
QD	529370 63	616751 88	<input checked="" type="checkbox"/>	0 473	0 412	0 583	<input type="checkbox"/>
UU	530363 19	616309 50	<input checked="" type="checkbox"/>	0 239	0 000	0 566	<input type="checkbox"/>

TRICHLOROETHYLENE (TCE)

BF 2	529088 81	617318 00	<input checked="" type="checkbox"/>	0 416	0 125	0 551	<input type="checkbox"/>
BF-2D	529046 38	617366 38	<input checked="" type="checkbox"/>	0 389	0 176	0 695	<input type="checkbox"/>
BF-4	529619 13	617180 50	<input checked="" type="checkbox"/>	0 466	0 282	0 656	<input type="checkbox"/>
BF-5	530061 19	616806 00	<input checked="" type="checkbox"/>	0 806	0 646	0 897	<input type="checkbox"/>
FU	529626 81	616815 38	<input checked="" type="checkbox"/>	0 734	0 594	0 974	<input type="checkbox"/>
GU	529627 50	617084 69	<input checked="" type="checkbox"/>	0 506	0 239	0 746	<input type="checkbox"/>
MW-1BRD	528988 69	617758 63	<input checked="" type="checkbox"/>	0 085	0 036	0 388	<input type="checkbox"/>
MW-1BRS	528979 38	617750 88	<input checked="" type="checkbox"/>	0 128	0 038	0 524	<input type="checkbox"/>
MW-2BR	529713 19	617522 13	<input checked="" type="checkbox"/>	0 064	0 000	0 118	<input type="checkbox"/>
MW 2I	529700 38	617510 31	<input checked="" type="checkbox"/>	0 011	0 000	0 042	<input checked="" type="checkbox"/>
MW 2S	529705 00	617515 38	<input checked="" type="checkbox"/>	0 000	0 000	0 000	<input checked="" type="checkbox"/>
MW 3BR	531000 69	616365 38	<input checked="" type="checkbox"/>	0 795	0 671	0 980	<input type="checkbox"/>
MW-3S	531004 31	616342 88	<input checked="" type="checkbox"/>	0 158	0 000	0 896	<input type="checkbox"/>
MW-4BR	528348 19	617588 63	<input checked="" type="checkbox"/>	0 080	0 027	0 411	<input checked="" type="checkbox"/>
MW-4S	528341 81	617603 19	<input checked="" type="checkbox"/>	0 031	0 000	0 417	<input type="checkbox"/>
MW-5BR	529113 88	617340 00	<input checked="" type="checkbox"/>	0 694	0 650	0 740	<input type="checkbox"/>
MW-6BR	529064 19	617054 38	<input checked="" type="checkbox"/>	0 070	0 000	0 123	<input type="checkbox"/>
MW-7BR	529631 50	616812 88	<input checked="" type="checkbox"/>	0 705	0 564	0 911	<input type="checkbox"/>
MW 8BR	530010 88	616453 31	<input checked="" type="checkbox"/>	0 475	0 236	0 634	<input type="checkbox"/>
NUS-2D	528866 19	616745 81	<input checked="" type="checkbox"/>	0 375	0 033	0 531	<input type="checkbox"/>
NUS-3D	528591 50	616683 50	<input checked="" type="checkbox"/>	0 020	0 012	0 041	<input type="checkbox"/>
NUS-3S	528598 88	616681 00	<input checked="" type="checkbox"/>	0 433	0 000	0 640	<input type="checkbox"/>

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

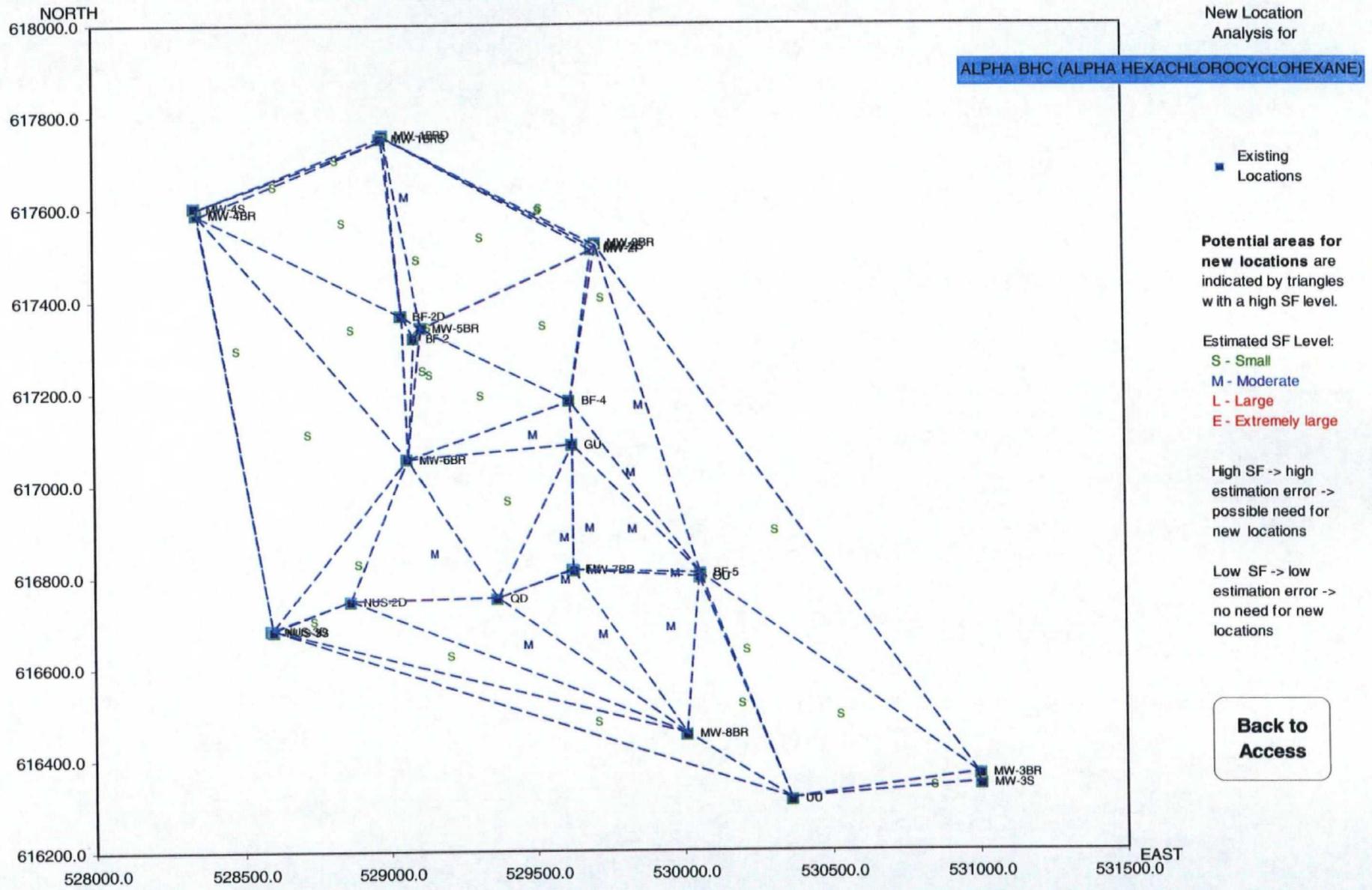
State New Jersey

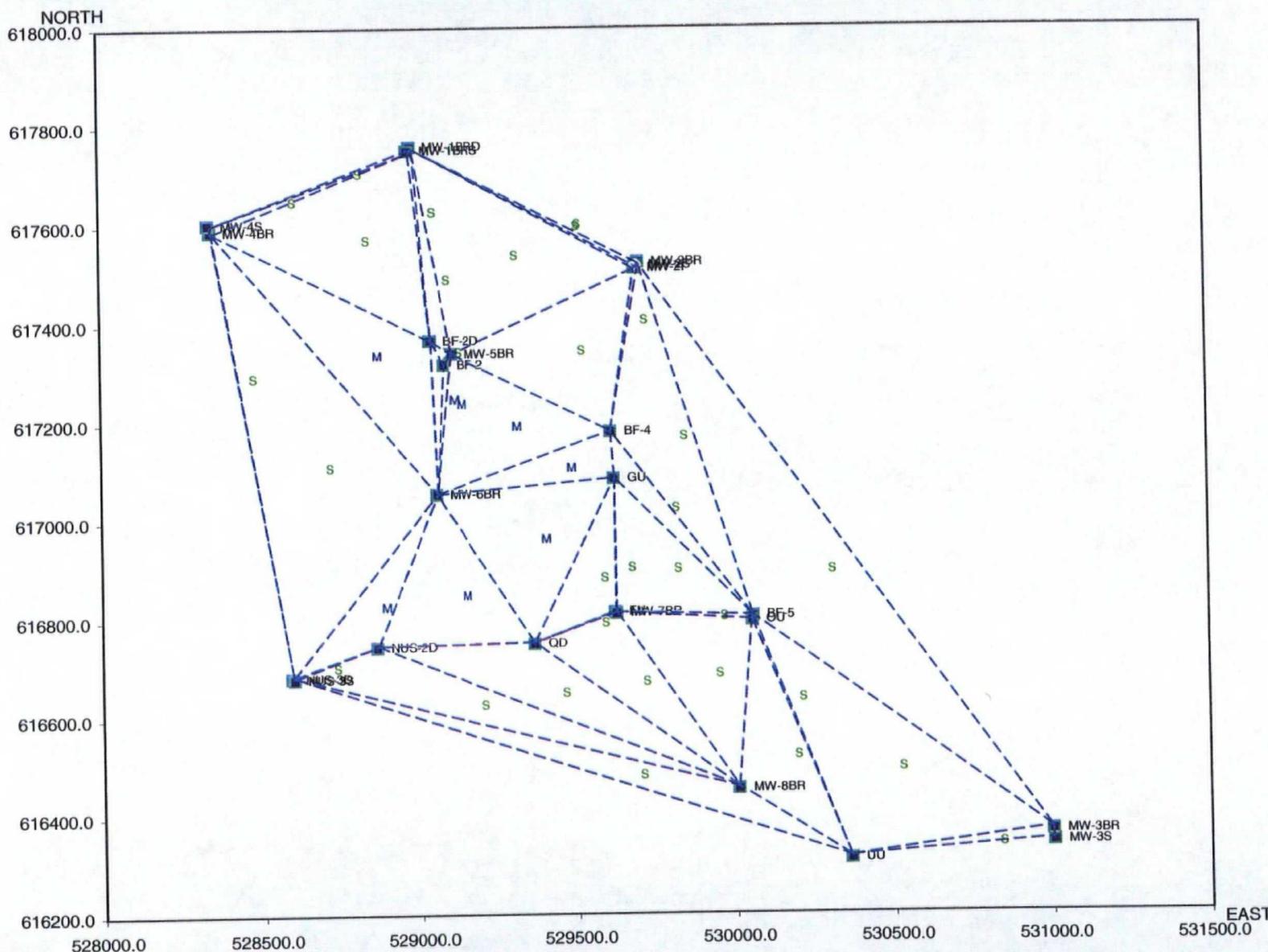
Well	X (feet)	Y (feet)	Removable?	Average Slope Factor*	Minimum Slope Factor*	Maximum Slope Factor*	Eliminated?
OU	530059 13	616797 38	<input checked="" type="checkbox"/>	0 901	0 900	0 902	<input type="checkbox"/>
QD	529370 63	616751 88	<input checked="" type="checkbox"/>	0 224	0 038	0 364	<input type="checkbox"/>
UU	530363 19	616309 50	<input checked="" type="checkbox"/>	0 259	0 068	0 443	<input type="checkbox"/>

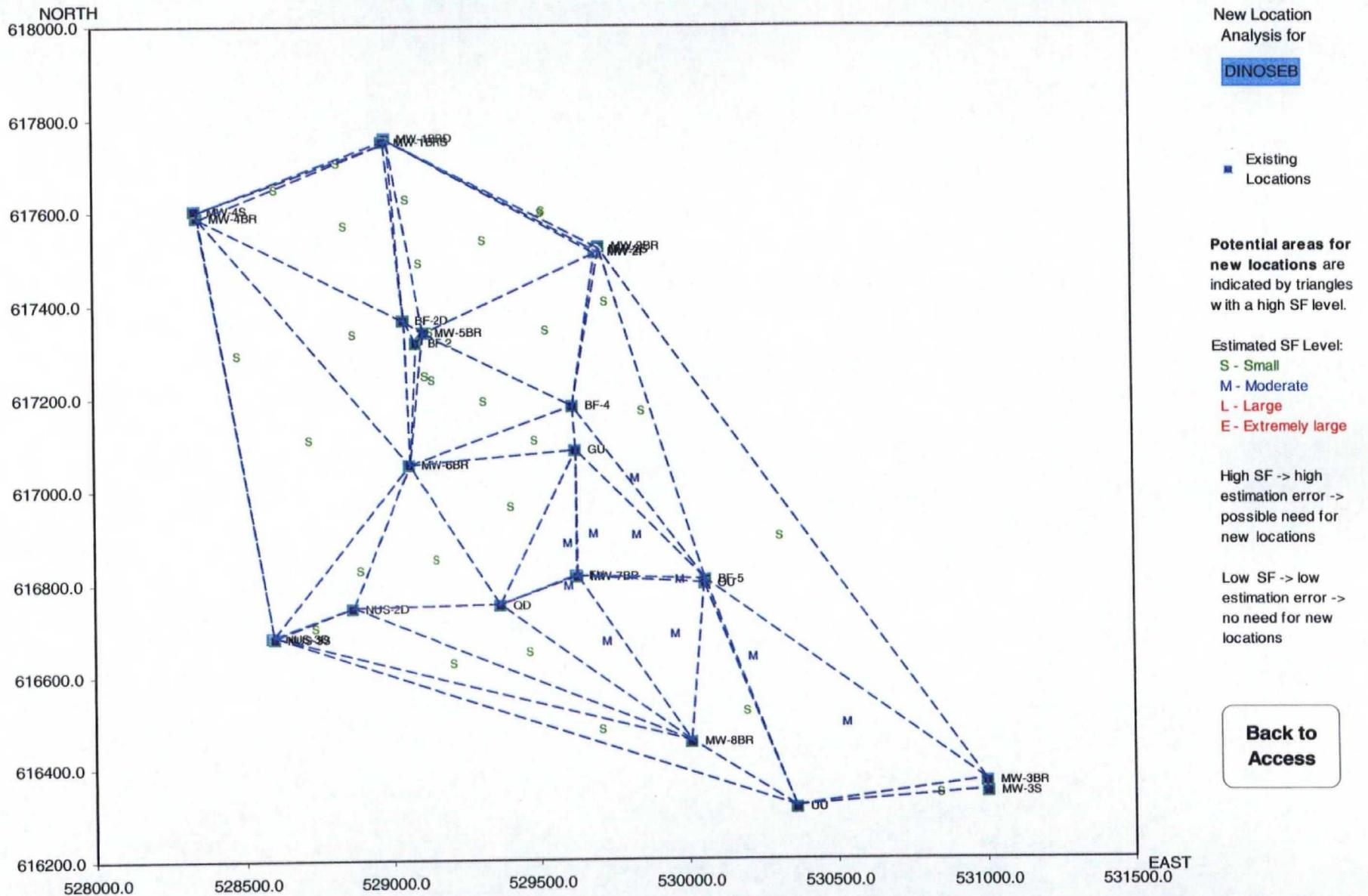
Note The Slope Factor indicates the relative importance of a well in the monitoring network at a given sampling event, the larger the SF value of a well, the more important the well is and vice versa, the Average Slope Factor measures the overall well importance in the selected time period, the state coordinates system (i.e., X and Y refer to Easting and Northing respectively) or local coordinates systems may be used, wells that are NOT selected for analysis are not shown above

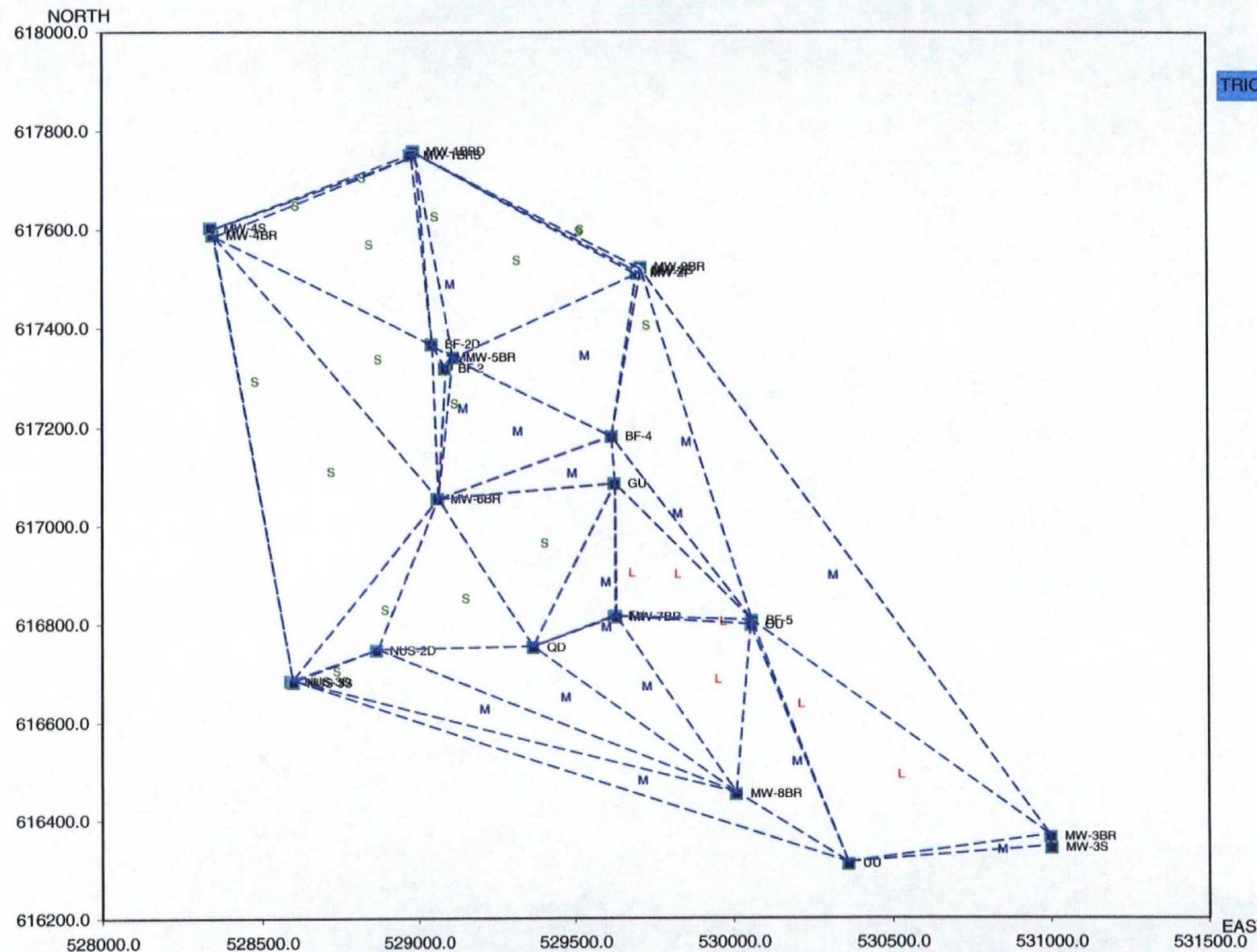
* When the report is generated after running the Excel module, SF values will NOT be shown above

Attachment C – Potential New Locations









New Location
Analysis for

TRICHLOROETHYLENE (TCE)

Attachment D – Recommendations for Sampling Frequencies

MAROS Sampling Frequency Optimization Results

Project Chemical Insecticide Corporation
Location Edison

User Name Lisa Tilton
State New Jersey

The Overall Number of Sampling Events

"Rate of Change" parameters used

Constituent	Cleanup Goal	Low Rate	Medium Rate	High Rate
ALPHA BHC (ALPHA HEXACHLOROETHYLENE)	0.00002	0 00001	0 00002	0 00004
ARSENIC	0 003	0 0015	0 003	0 006
DINOSEB	0 007	0 0035	0 007	0 014
TRICHLOROETHYLENE (TCE)	0 001	0 0005	0 001	0 002

Units Cleanup Goal is in mg/L, all rate parameters are in mg/L/year

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
ALPHA BHC (ALPHA HEXACHLOROCYCLOHEXANE)			
BF-2	Annual	Annual	Annual
BF-2D	Annual	Annual	Annual
BF-4	Annual	Annual	Annual
BF-5	Annual	Annual	Annual
FU	Annual	Annual	Annual
GU	Annual	Annual	Annual
MW 1BRD	Annual	Annual	Annual
MW 1BRS	Annual	Annual	Annual
MW 2BR	Annual	Annual	Annual
MW-2I	Annual	Annual	Annual
MW-2S	Annual	Annual	Annual
MW-3BR	Annual	Annual	Annual
MW-3S	Annual	Annual	Annual
MW-4BR	Annual	Annual	Annual
MW-4S	Annual	Annual	Annual
MW 5BR	Annual	Annual	Annual
MW-6BR	Annual	Annual	Annual
MW 7BR	Annual	Annual	Annual
MW-8BR	Annual	Annual	Annual
NUS 2D	Annual	Annual	Annual
NUS-3D	Annual	Annual	Annual

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

State New Jersey

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
NUS 3S	Annual	Annual	Annual
OU	Annual	Annual	Annual
QD	Annual	Annual	Annual
UU	Annual	Annual	Annual
ARSENIC			
BF-2	Annual	Annual	Annual
BF-2D	Annual	Annual	Annual
BF-4	Annual	Annual	Annual
BF-5	Annual	Annual	Annual
FU	Annual	Annual	Annual
GU	Annual	Annual	Annual
MW-1BRD	Annual	Annual	Annual
MW 1BRS	Annual	Annual	Annual
MW 2BR	Annual	Annual	Annual
MW 2I	Annual	Annual	Annual
MW-2S	Annual	Annual	Annual
MW-3BR	Annual	Annual	Annual
MW 3S	Annual	Annual	Annual
MW-4BR	Annual	Annual	Annual
MW-4S	Annual	Annual	Annual
MW-5BR	Annual	Annual	Annual
MW 6BR	SemiAnnual	SemiAnnual	SemiAnnual
MW-7BR	Annual	Annual	Annual
MW-8BR	Annual	Annual	Annual
NUS-2D	Annual	Annual	Annual
NUS 3D	Annual	Annual	Annual
NUS-3S	Annual	Annual	Annual
OU	Quarterly	Quarterly	Quarterly
QD	Annual	Annual	Annual
UU	Annual	Annual	Annual
DINOSEB			
BF-2	Biennial	Annual	Annual
BF 2D	Biennial	Annual	Annual
BF-4	Biennial	Annual	Annual
BF-5	Quarterly	Quarterly	Quarterly
FU	Annual	Annual	Annual

Project Chemical Insecticide Corporation
Location Edison

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State New Jersey

Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
GU	Biennial	Annual	Annual
MW-1BRD	Biennial	Annual	Annual
MW-1BRS	Biennial	Annual	Annual
MW-2BR	Biennial	Annual	Annual
MW-2I	Biennial	Annual	Annual
MW-2S	Biennial	Annual	Annual
MW-3BR	Biennial	Annual	Annual
MW-3S	Biennial	Annual	Annual
MW-4BR	Biennial	Annual	Annual
MW-4S	Biennial	Annual	Annual
MW-5BR	Biennial	Annual	Annual
MW-6BR	Biennial	Annual	Annual
MW-7BR	Biennial	Annual	Annual
MW-8BR	Biennial	Annual	Annual
NUS-2D	Biennial	Annual	Annual
NUS-3D	Biennial	Annual	Annual
NUS-3S	Biennial	Annual	Annual
OU	Biennial	Annual	Annual
QD	Annual	Annual	Annual
UU	Biennial	Annual	Annual

TRICHLOROETHYLENE (TCE)

BF 2	Annual	Annual	Annual
BF-2D	Annual	Annual	Annual
BF 4	SemiAnnual	SemiAnnual	SemiAnnual
BF 5	Annual	Annual	Annual
FU	Annual	Annual	Annual
GU	Annual	Annual	Annual
MW-1BRD	Annual	Annual	Annual
MW-1BRS	Annual	Annual	Annual
MW-2BR	Annual	Annual	Annual
MW-2I	Annual	Annual	Annual
MW-2S	Annual	Annual	Annual
MW-3BR	Annual	Annual	Annual
MW-3S	Annual	Annual	Annual
MW-4BR	Annual	Annual	Annual
MW-4S	Annual	Annual	Annual
MW-5BR	Biennial	Annual	Annual

Project Chemical Insecticide Corporation

User Name Lisa Tilton

Location Edison

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Well	Recommended Sampling Frequency	Frequency Based on Recent Data	Frequency Based on Overall Data
MW-6BR	Annual	Annual	Annual
MW 7BR	Annual	Annual	Annual
MW 8BR	Annual	Annual	Annual
NUS-2D	Annual	Annual	Annual
NUS-3D	Annual	Annual	Annual
NUS-3S	Annual	Annual	Annual
OU	Annual	Annual	Annual
QD	Annual	Annual	Annual
UU	Annual	Annual	Annual

Note Sampling frequency is determined considering both recent and overall concentration trends. Sampling Frequency is the final recommendation, Frequency Based on Recent Data is the frequency determined using recent (short) period of monitoring data, Frequency Based on Overall Data is the frequency determined using overall (long) period of monitoring data. If the "recent period" is defined using a different series of sampling events, the results could be different.